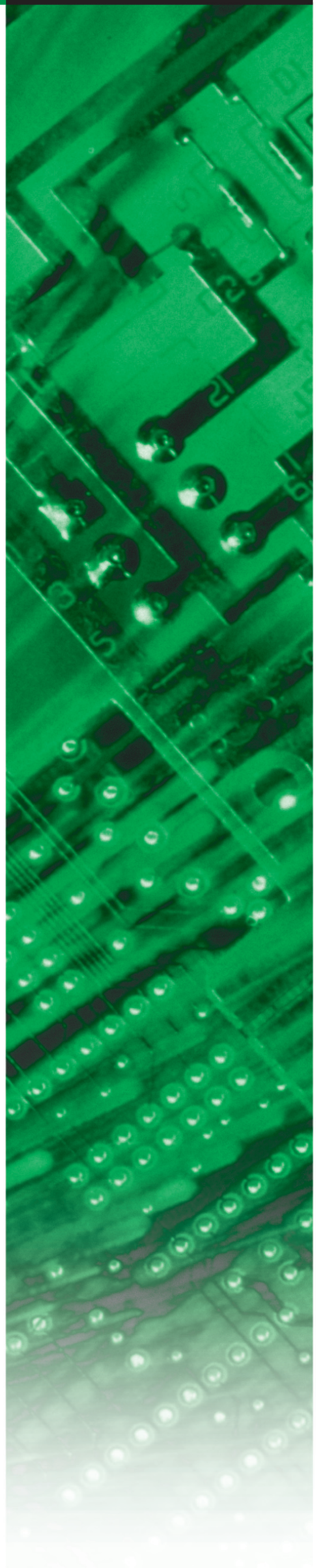
Catalog

MRT-A_(i)



# Rooftop Packaged Air Conditioners

Models: MRT 055 A/AR
MRT 060 A/AR
MRT 080 A/AR
MRT 100 A/AR
MRT 120 A/AR
MRT 150 A/AR
MRT 200 A/AR
MRT 250 A/AR
MRT 300 A/AR
MRT 360 A/AR
MRT 420 A/AR

M4RT 060 A/AR
M4RT 080 A/AR
M4RT 100 A/AR
M4RT 120 A/AR
M4RT 150 A/AR
M4RT 200 A/AR
M4RT 250 A/AR
M4RT 300 A/AR
M4RT 360 A/AR
M4RT 420 A/AR




McQuay® Air Conditioning

*Engineered for flexibility and performance.*™

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This manual supercedes MRT-2009

**Note :** Installation and maintenance are to be performed only by qualified personnel who are familiar with local codes and regulations, and experienced with this type of equipment.

**Caution :** Sharp edges and coil surfaces are a potential injury hazard. Avoid contact with them.

**Warning :** Moving machinery and electrical power hazard. May cause severe personnel injury or death. Disconnect and lock off power before servicing equipment.



CE

# Nomenclature

M 4 RT 100 A R - F X AA

| Code | Field | Meaning |
|---|---|---|
| AA | Production spec variation | |
| X | Type of ref. connection | X: Not Applicable |
| F | Electrical | F: 380-415V/3Ph/50Hz |
| R | Model Type | R: Heatpump<br>Blank: Cooling Only |
| A | Series | A: A series |
| 100 | Capacity | 100: 100,000 Btu/h |
| RT | Model Name | RT: Rooftop |
| 4 | Refrigerant | 4: R407C<br>Blank: R22 |
| M | Brand | M: McQuay |

## Product Line-up

### M(4)RT Cooling Only

| Model | Cooling Only | Nomenclature | Classification | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SLM Controller | Seq. Controller | Capil lary Tube | Thermal Expansion Valve (TXV) | Normal Fin | Gold (NA549) Fin | Scroll Compressor | Air Filter | Down Flow | Side Flow | Convertible | Filter Drier |
| | 060A | FXAB | X | | | X | X | | X | X | | X | | X |
| | 060A | FXAD | X | | X | | X | X | X | X | | X | | X |
| | 080A | FXAA | X | | X | | X | | X | X | | X | X | X |
| | 080A | FXAC | X | | X | | X | X | X | X | | X | X | X |
| | 100A | FXAA | X | | X | | X | | X | X | | X | X | X |
| | 100A | FXAC | X | | X | | X | X | X | X | | X | X | X |
| | 120A | FXAB | X | | | X | X | | X | X | | X | X | X |
| | 120A | FXAC | X | | | X | X | X | X | X | | X | X | X |
| M4RT | 150A | FXAA | | X | X | | X | | X | X | | X | X | X |
| | 150A | FXAD | | X | X | | X | X | X | X | | X | X | X |
| | 200A | FXAA | | X | X | | X | | X | X | | X | X | X |
| | 200A | FXAD | | X | X | | X | X | X | X | | X | X | X |
| | 250A | FXAA | | X | | X | X | | X | | | X | | X |
| | 250A | FXAC | | X | | X | X | X | X | | | X | | X |
| | 300A | FXAA | | X | | X | X | | X | | | X | | X |
| | 300A | FXAC | | X | | X | X | X | X | | | X | | X |
| | 360A | FXAC | | X | | X | | X | X | X | | X | | X |
| | 420A | FXAC | | X | | X | | X | X | X | | X | | X |
| | 055A | FXAI | X | | | X | X | | X | | | X | | X |
| | 060A | FXAH | X | | | X | | X | X | X | | X | | X |
| | 060A | FXAI | X | | | X | X | | X | X | | X | | X |
| | 080A | FXAC | X | | X | | X | | X | X | | X | | |
| | 080A | FXAH | X | | X | | | X | X | X | | X | | |
| | 080A | FXAI | X | | | X | X | | X | X | | X | X | X |
| | 080A | FXAN | X | | X | | X | | X | X | | X | X | |
| | 100A | FXAC | X | | X | | X | | X | X | | X | | |
| | 100A | FXAH | X | | X | | | X | X | X | | X | | |
| | 100A | FXAI | X | | | X | X | | X | X | | X | X | X |
| | 100A | FXAN | X | | X | | X | | X | X | | X | X | |
| | 120A | FXAH | X | | | X | | X | X | X | | X | X | X |
| | 120A | FXAI | X | | | X | X | | X | X | | X | X | X |
| | 150A | FXAC | | X | X | | X | | X | X | | X | | |
| | 150A | FXAH | | X | X | | | X | X | X | | X | | |
| MRT | 150A | FXAI | | X | | X | X | | X | X | | X | X | X |
| | 150A | FXAN | | X | X | | X | | X | X | | X | X | |
| | 200A | FXAC | | X | X | | X | | X | X | | X | | |
| | 200A | FXAH | | X | X | | | X | X | X | | X | | |
| | 200A | FXAI | | X | | X | X | | X | X | | X | X | X |
| | 200A | FXAN | | X | X | | X | | X | X | | X | X | |
| | 250A | FXAA | | X | | X | X | | X | X | | X | | X |
| | 250A | FXAD | | X | | X | | X | X | X | X | | | X |
| | 250A | FXAH | | X | | X | | X | X | X | | X | | X |
| | 300A | FXAA | | X | | X | X | | X | X | | X | | X |
| | 300A | FXAD | | X | | X | | X | X | X | X | | | X |
| | 300A | FXAH | | X | | X | | X | X | X | | X | | X |
| | 360A | FXAA | | X | | X | X | | X | X | | X | | X |
| | 360A | FXAH | | X | | X | | X | X | X | | X | | X |
| | 420A | FXAA | | X | | X | X | | X | X | | X | | X |
| | 420A | FXAH | | X | | X | | X | X | X | | X | | X |

## M(4)RT Heat Pump

| Model | Heat Pump | Nomenclature | Classification | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SLM Controller | Seq. Controller | Capillary Tube | Thermal Expansion Valve (TXV) | Normal Fin | Gold (NA549) Fin | Reciprocating Compressor | Scroll Compressor | Air Filter | Down Flow | Side Flow | Convertible | Filter Drier |
| M4RT | 060AR | FXAC | X | | | X | | X | | X | X | | X | | X |
| | 080AR | FXAC | X | | | X | | X | | X | X | | X | X | X |
| | 100AR | FXAC | X | | | X | | X | | X | X | | X | X | X |
| | 120AR | FXAC | X | | | X | | X | | X | X | | X | X | X |
| | 150AR | FXAC | | X | | X | | X | | X | X | | X | X | X |
| | 200AR | FXAC | | X | | X | | X | | X | X | | X | X | X |
| | 250AR | FXAC | | X | | X | | X | | X | X | | X | | X |
| | 300AR | FXAC | | X | | X | | X | | X | X | | X | | X |
| | 360AR | FXAC | | X | | X | | X | | X | X | | X | | X |
| | 420AR | FXAC | | X | | X | | X | | X | X | | X | | X |
| MRT | 055AR | FXAI | X | | | X | X | | | X | | | X | | X |
| | 060AR | FXAH | X | | | X | | X | | X | X | | X | | X |
| | 060AR | FXAI | X | | | X | X | | | X | X | | X | | X |
| | 080AR | FXAC | X | | X | | X | | X | | X | | X | | |
| | 080AR | FXAH | X | | X | | | X | X | | X | | X | | |
| | 080AR | FXAN | X | | X | | X | | X | | X | | X | X | |
| | 100AR | FXAC | X | | X | | X | | X | | X | | X | | |
| | 100AR | FXAH | X | | X | | | X | X | | X | | X | | |
| | 100AR | FXAN | X | | X | | X | | X | | X | | X | X | |
| | 120AR | FXAH | X | | | X | | X | | X | X | | X | X | X |
| | 120AR | FXAI | X | | | X | X | | | X | X | | X | X | X |
| | 150AR | FXAC | | X | X | | X | | X | | X | | X | | |
| | 150AR | FXAH | | X | X | | | X | X | | X | | X | | |
| | 150AR | FXAN | | X | X | | X | | X | | X | | X | X | |
| | 200AR | FXAC | | X | X | | X | | X | | X | | X | | |
| | 200AR | FXAH | | X | X | | | X | X | | X | | X | | |
| | 200AR | FXAN | | X | X | | X | | X | | X | | X | X | |
| | 250AR | FXAA | | X | | X | X | | | X | X | | X | | X |
| | 250AR | FXAD | | X | | X | | X | | X | X | X | | | X |
| | 250AR | FXAH | | X | | X | | X | | X | X | | X | | X |
| | 300AR | FXAA | | X | | X | X | | | X | X | | X | | X |
| | 300AR | FXAD | | X | | X | | X | | X | X | X | | | X |
| | 300AR | FXAH | | X | | X | | X | | X | X | | X | | X |
| | 360AR | FXAH | | X | | X | | X | | X | X | | X | | X |
| | 420AR | FXAH | | X | | X | | X | | X | X | | X | | X |

# Features

## High Efficiency

The McQuay rooftop unit is supplied with high efficiency and reliable scroll compressor (except MRT 080/100/150/200 AR).

## Package Unit

Dubbed the “Plug and Play” equivalent in the air-conditioning industry, the single unit configuration allows hassle free installation. No additional piping work is required as both the indoor and outdoor sides are pre-connected. Refrigerant is factory pre-charged to ensure clean and efficient operation.

## Flexibility Of Air Supply

McQuay rooftop unit uses a belt driven fan such that the air volume and static required can be adjusted according to the requirement. This flexibility allows for wider application.

## Flat Top Design

McQuay rooftop unit’s flat top design allows for maximum utilization of warehouse and container space.

## Electrical Control Capability

All series are equipped with our Electronic Remote Controller (SLM and Sequential LCD). The Sequential LCD features 7 days programmable timer, compressor run/error status, cool/heat/fan/dry/auto modes, etc, while the SLM features a 15 hour delay timer, cool/heat/fan/dry/auto modes, etc.

Part loading of system capacity is now possible with the use of our Sequential PAC (Package Air-Condition) control for multiple compressor McQuay rooftop units (M(4)RT150/200/250/300/360/420 A/AR).

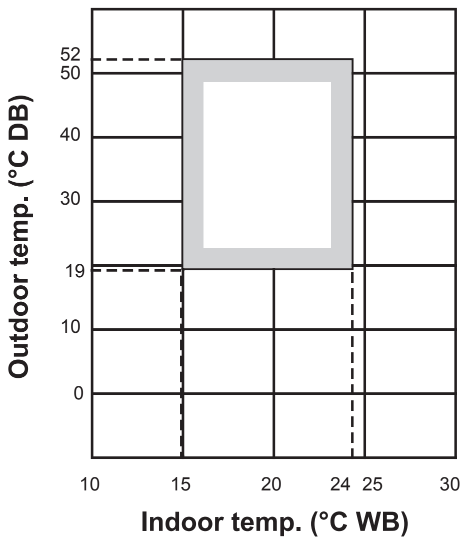
# Application Information

## Operating Range

Ensure the operating temperature is in allowable range.

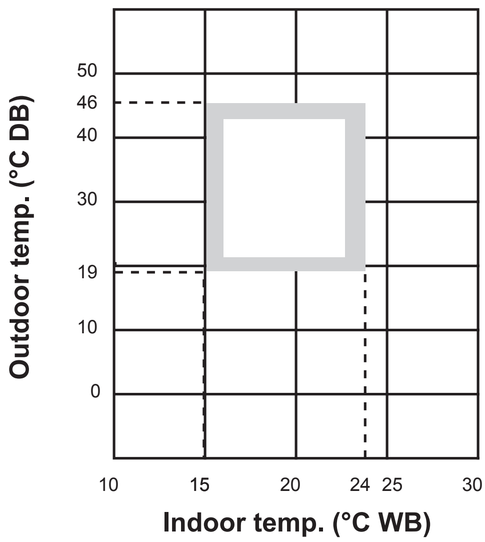
**Cooling (R22)**

Cooling Only Unit



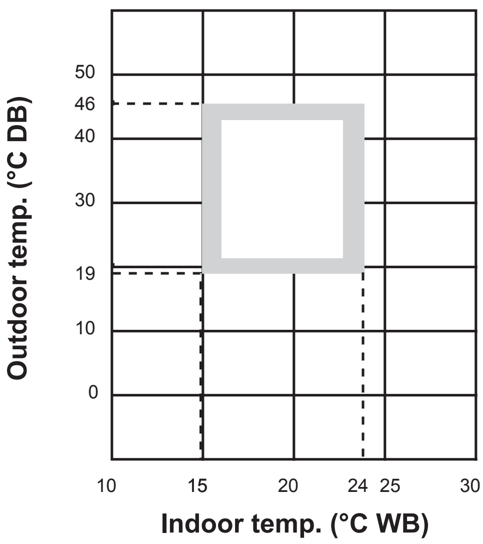

**Cooling (R22)**

Cooling Mode For Heat Pump Model



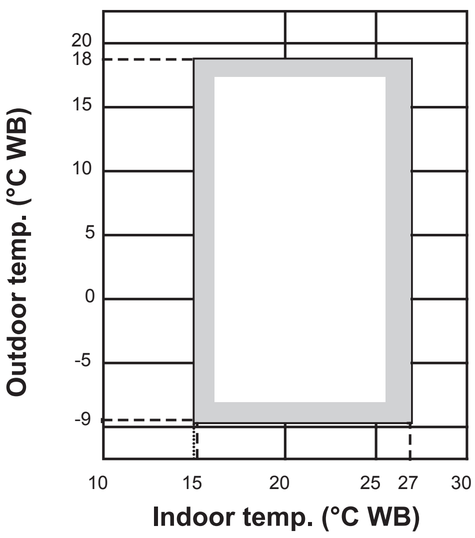

**Cooling (R407C)**

Cooling Only Unit & Cooling Mode For Heat Pump Model




**Heat pump**

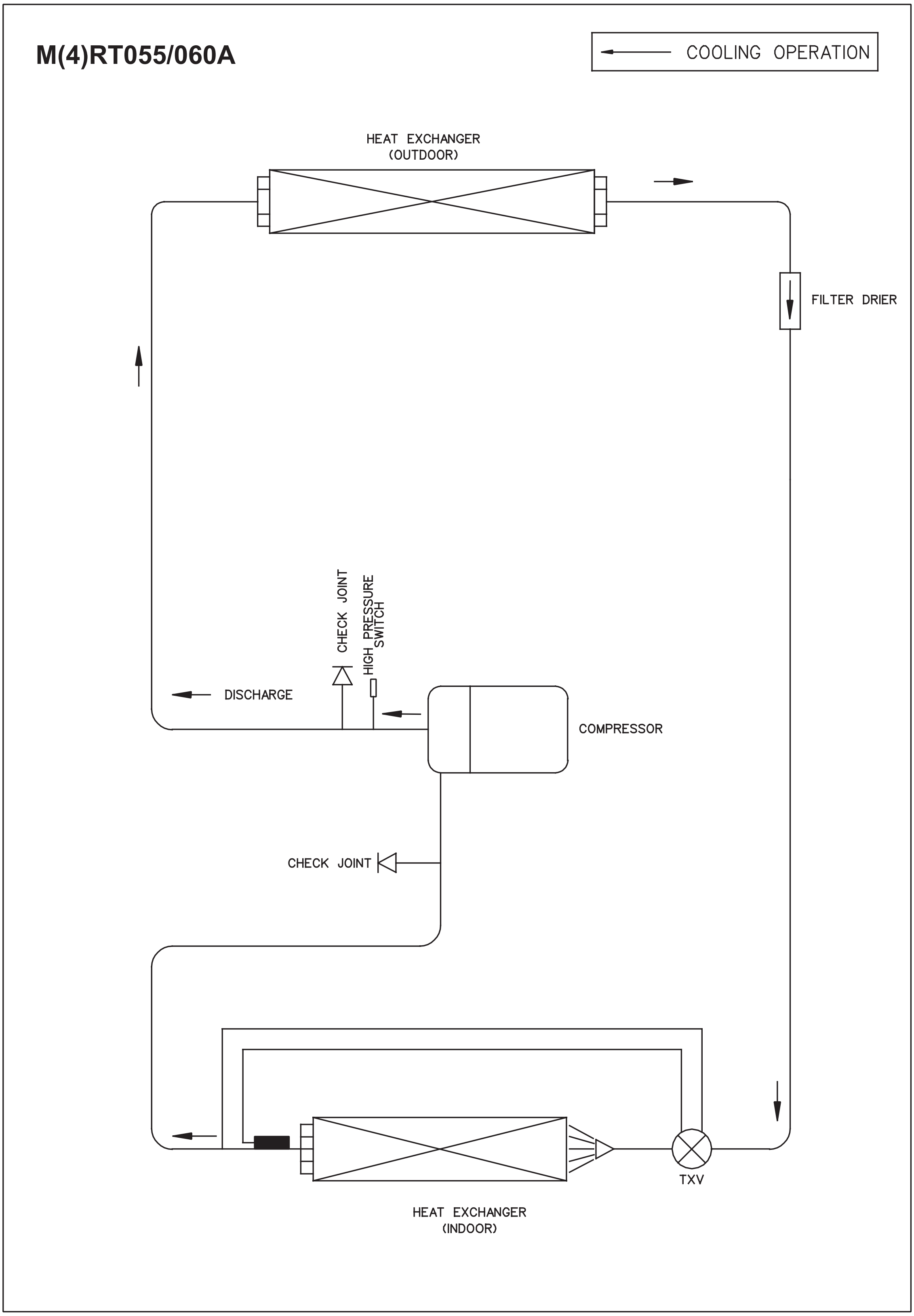
Heat Pump Unit Only



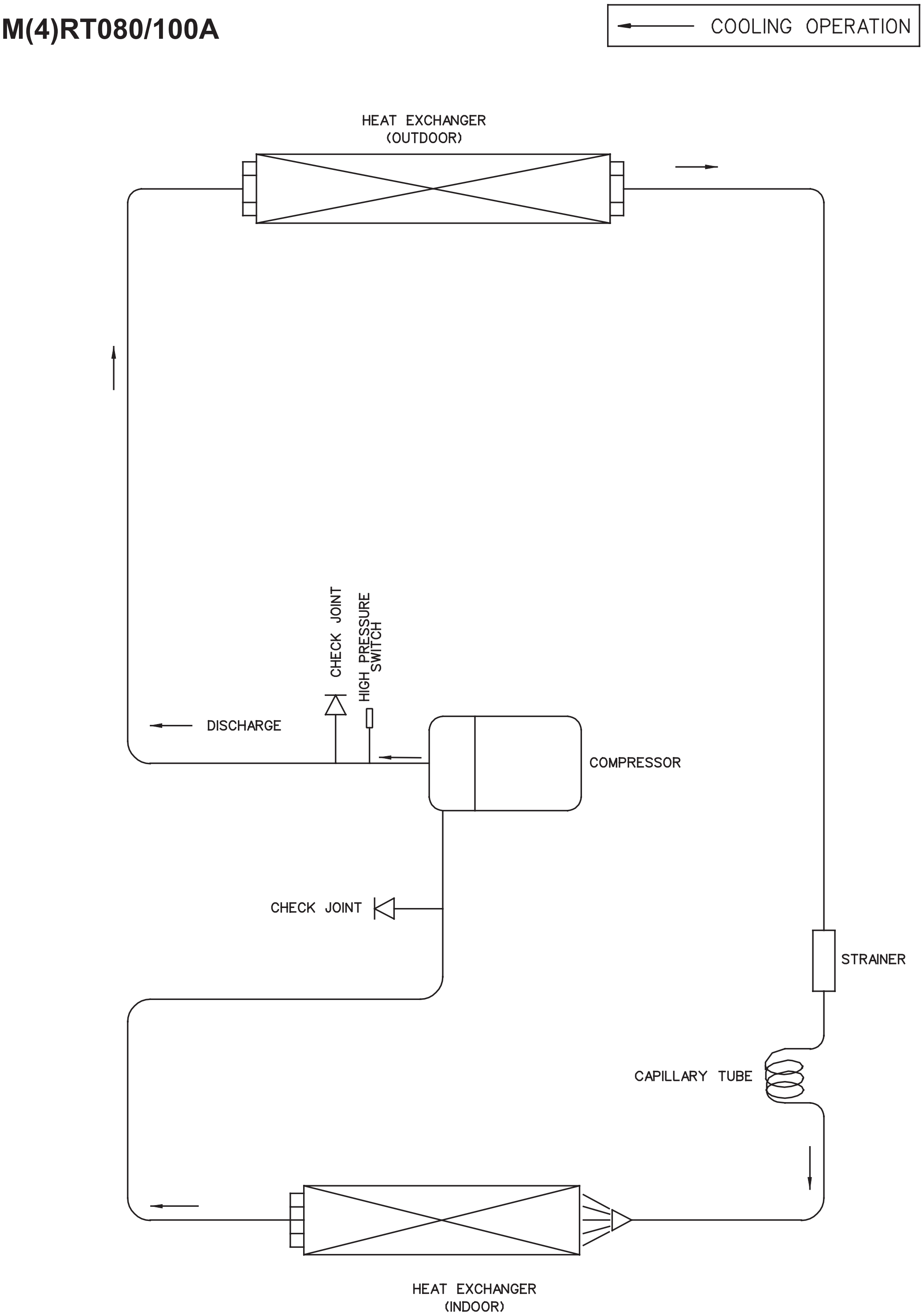

⚠ **Caution :**

The use of your air conditioner outside the range of working temperature and humidity can result in serious failure.

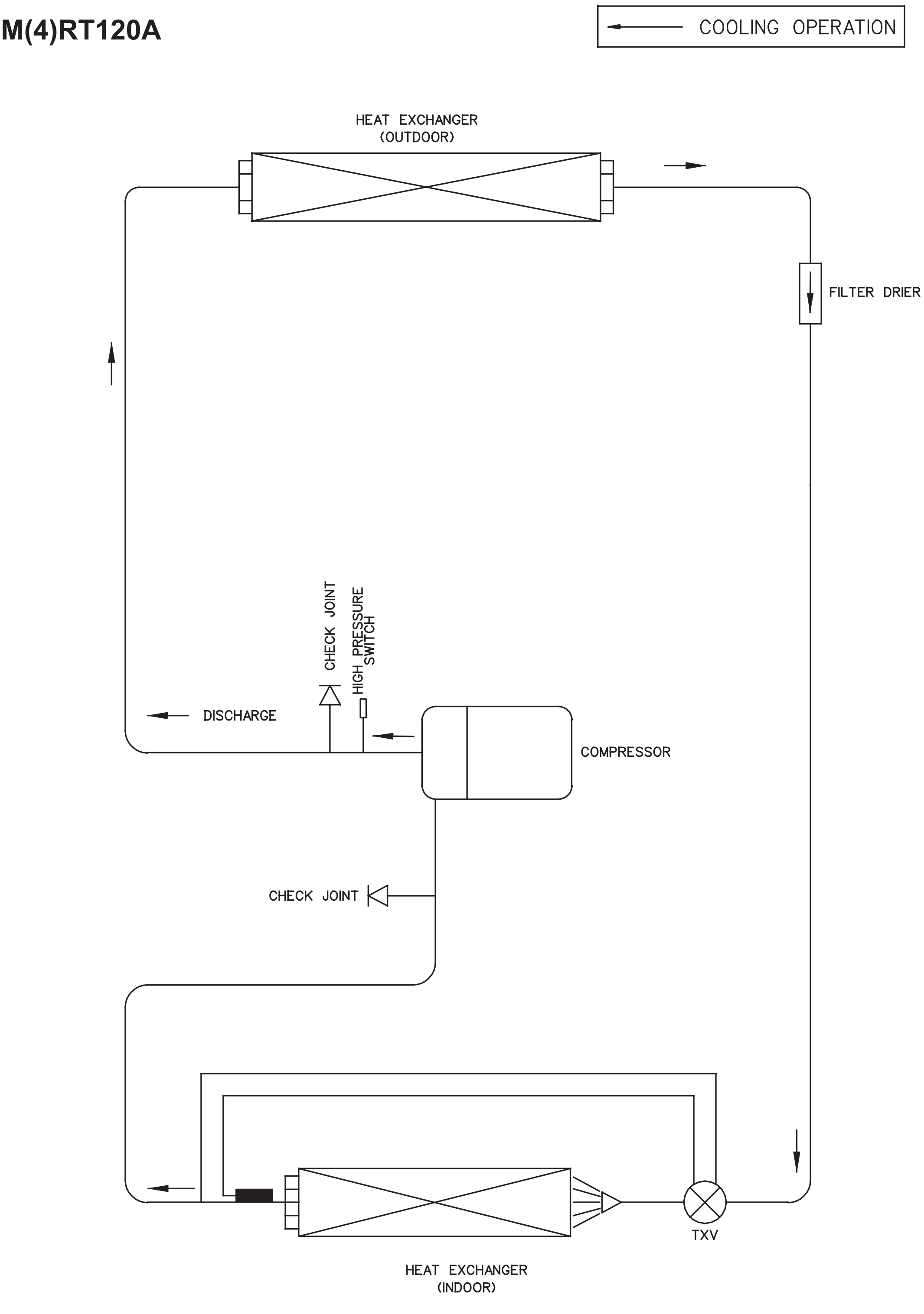
## Refrigerant Circuit Diagrams



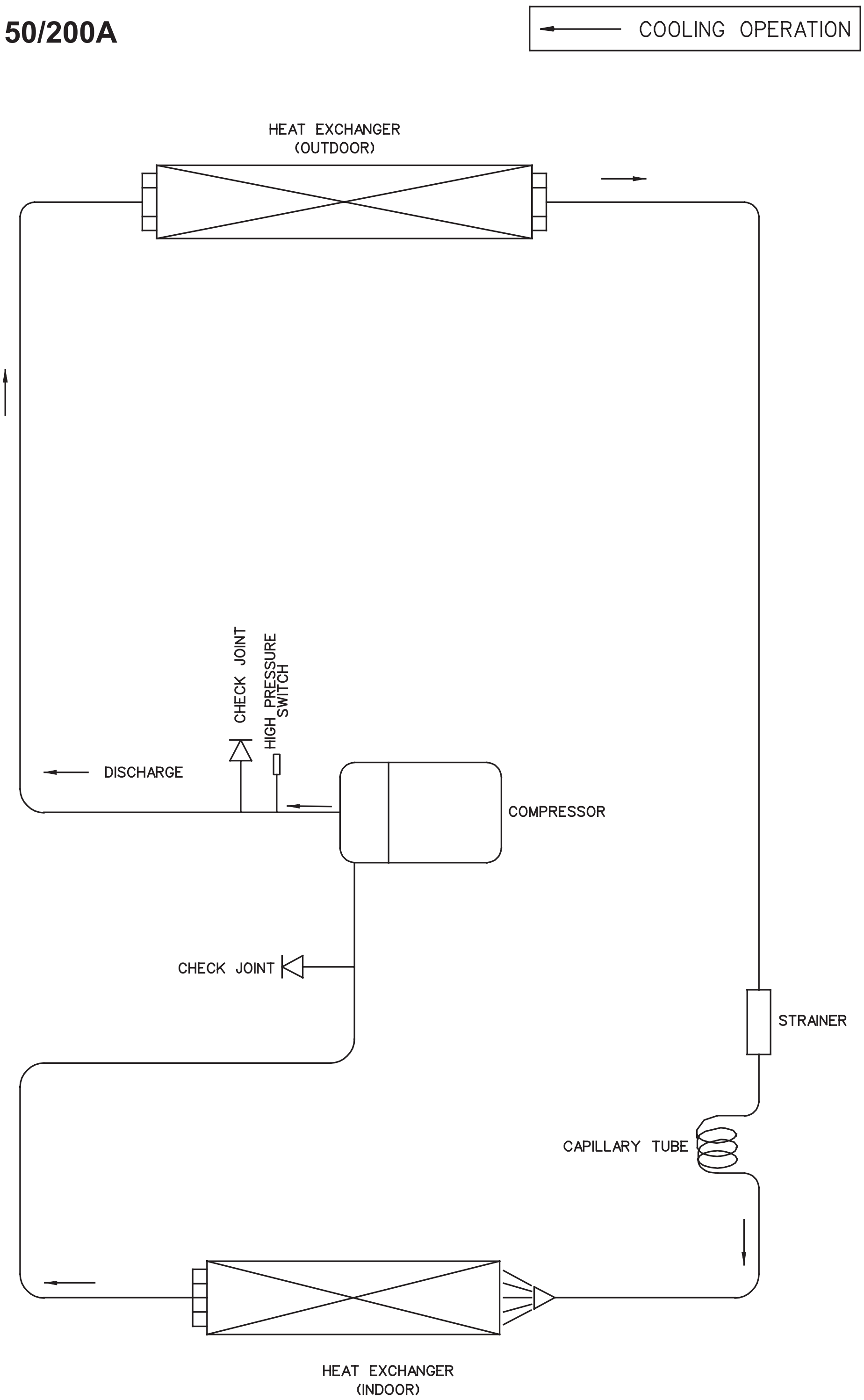
## M(4)RT080/100A



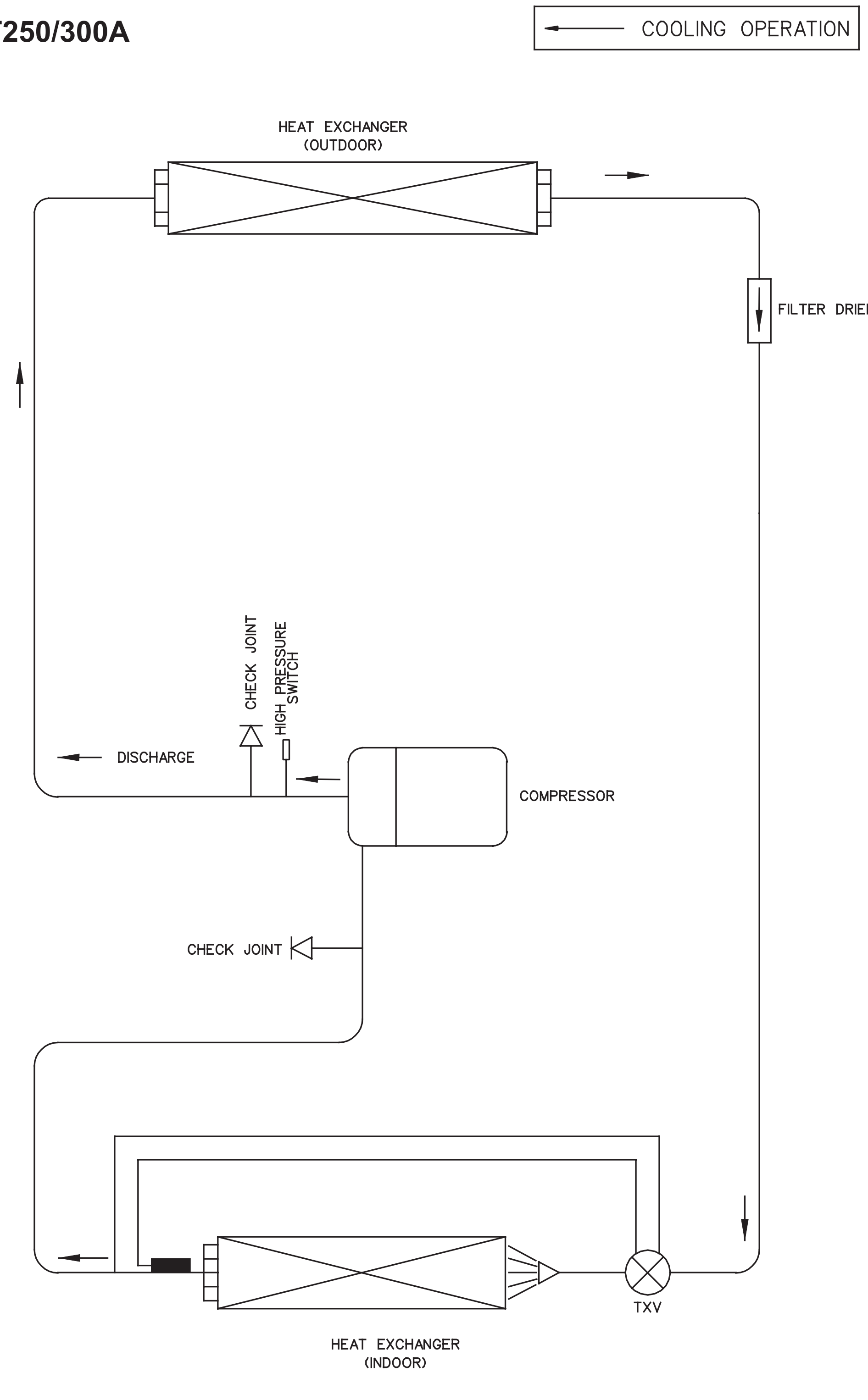
## M(4)RT120A


COOLING OPERATION
HEAT EXCHANGER
(OUTDOOR)
FILTER DRIER
CHECK JOINT
HIGH PRESSURE
SWITCH
DISCHARGE
COMPRESSOR
CHECK JOINT
TXV
HEAT EXCHANGER
(INDOOR)

## M(4)RT150/200A

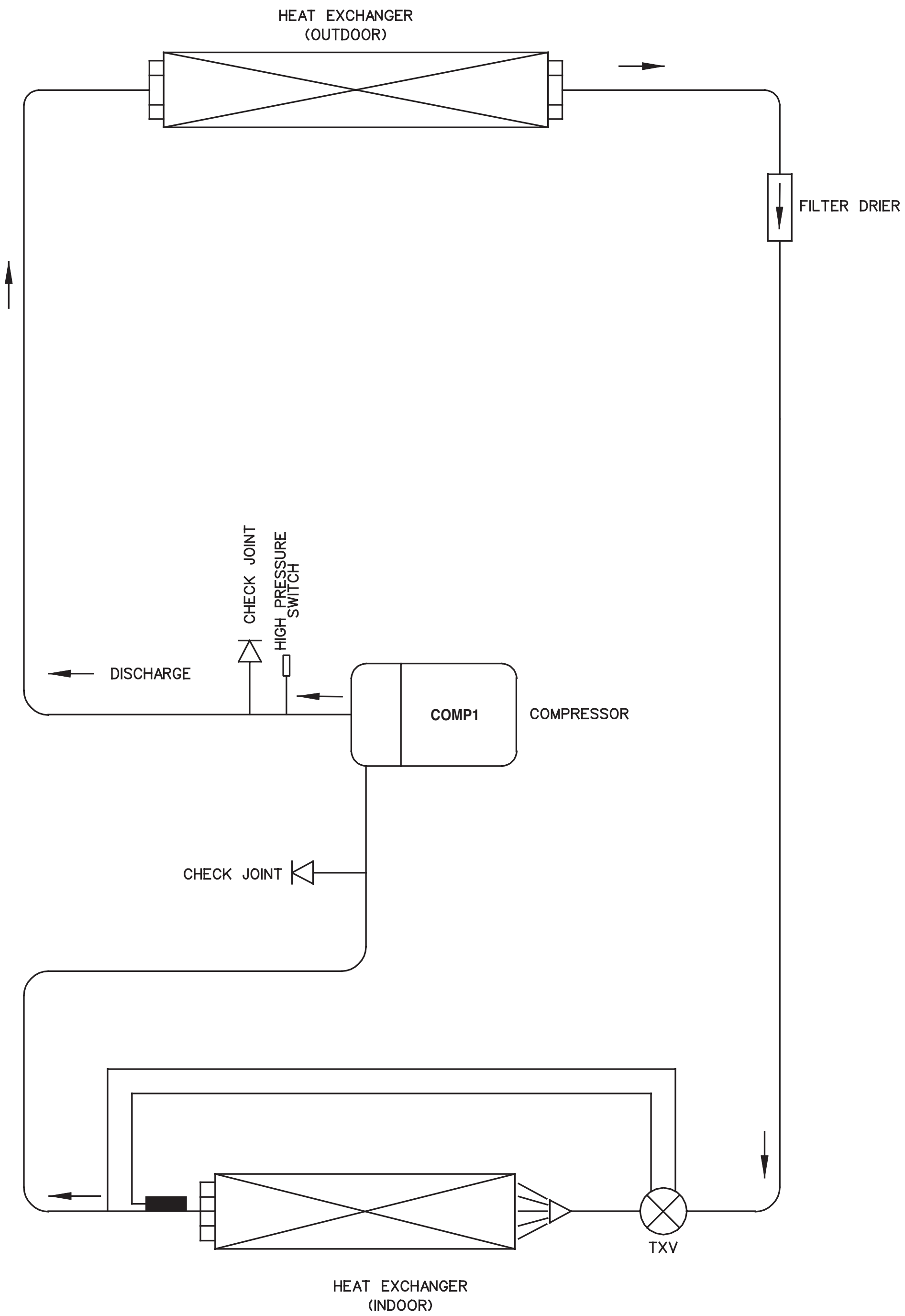


## M(4)RT250/300A

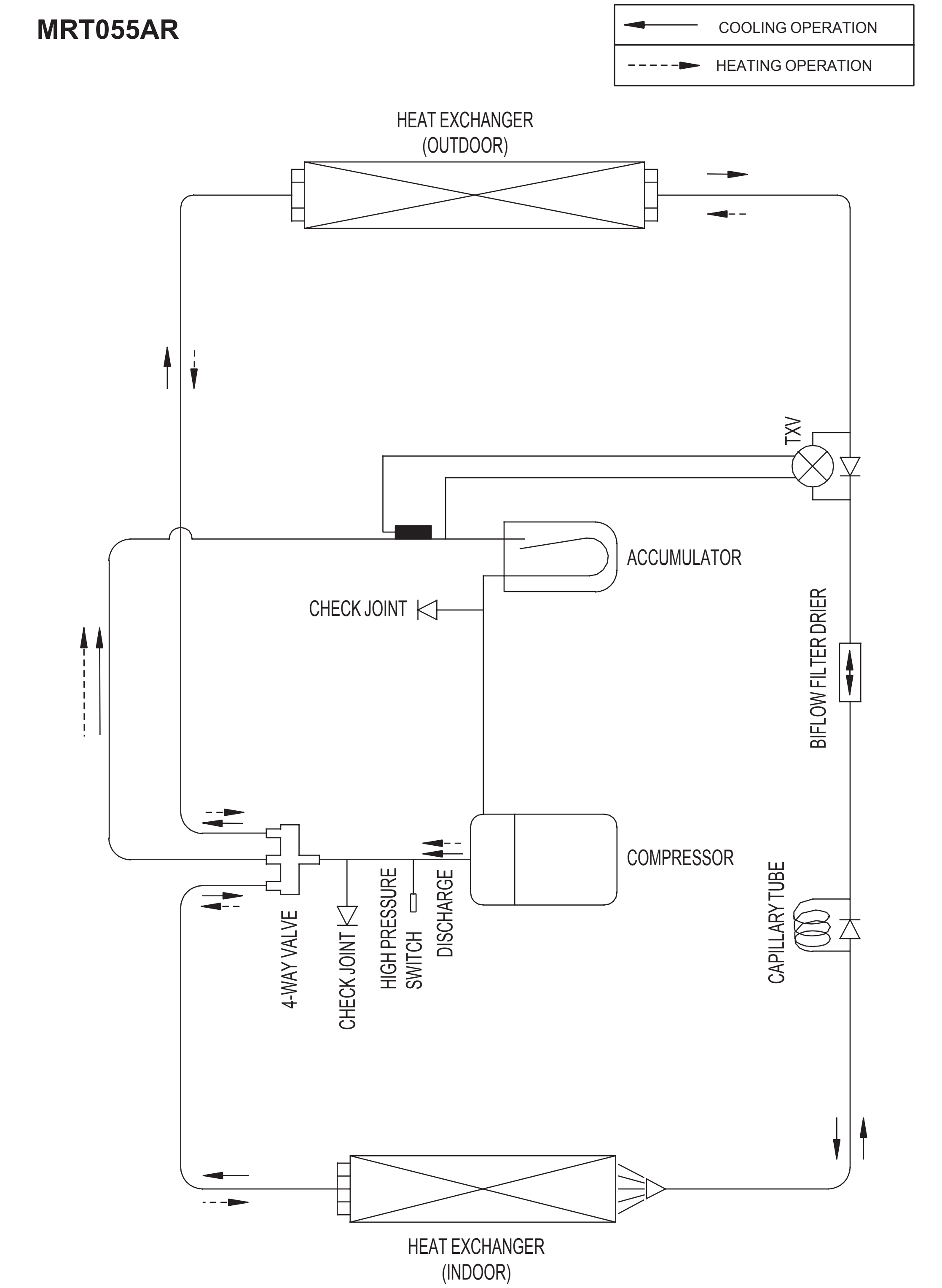


## M(4)RT360/420A

← COOLING OPERATION

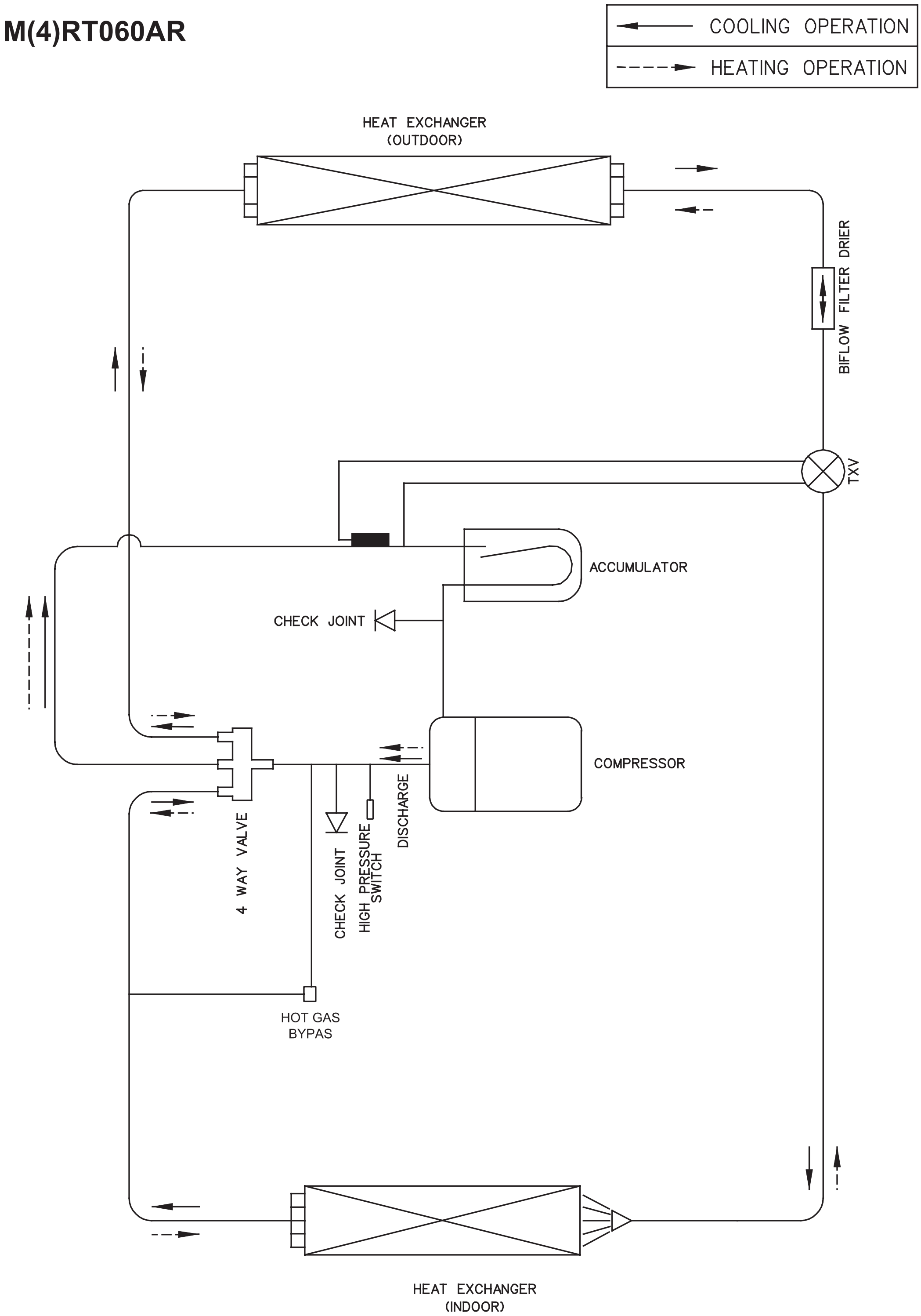


## MRT055AR

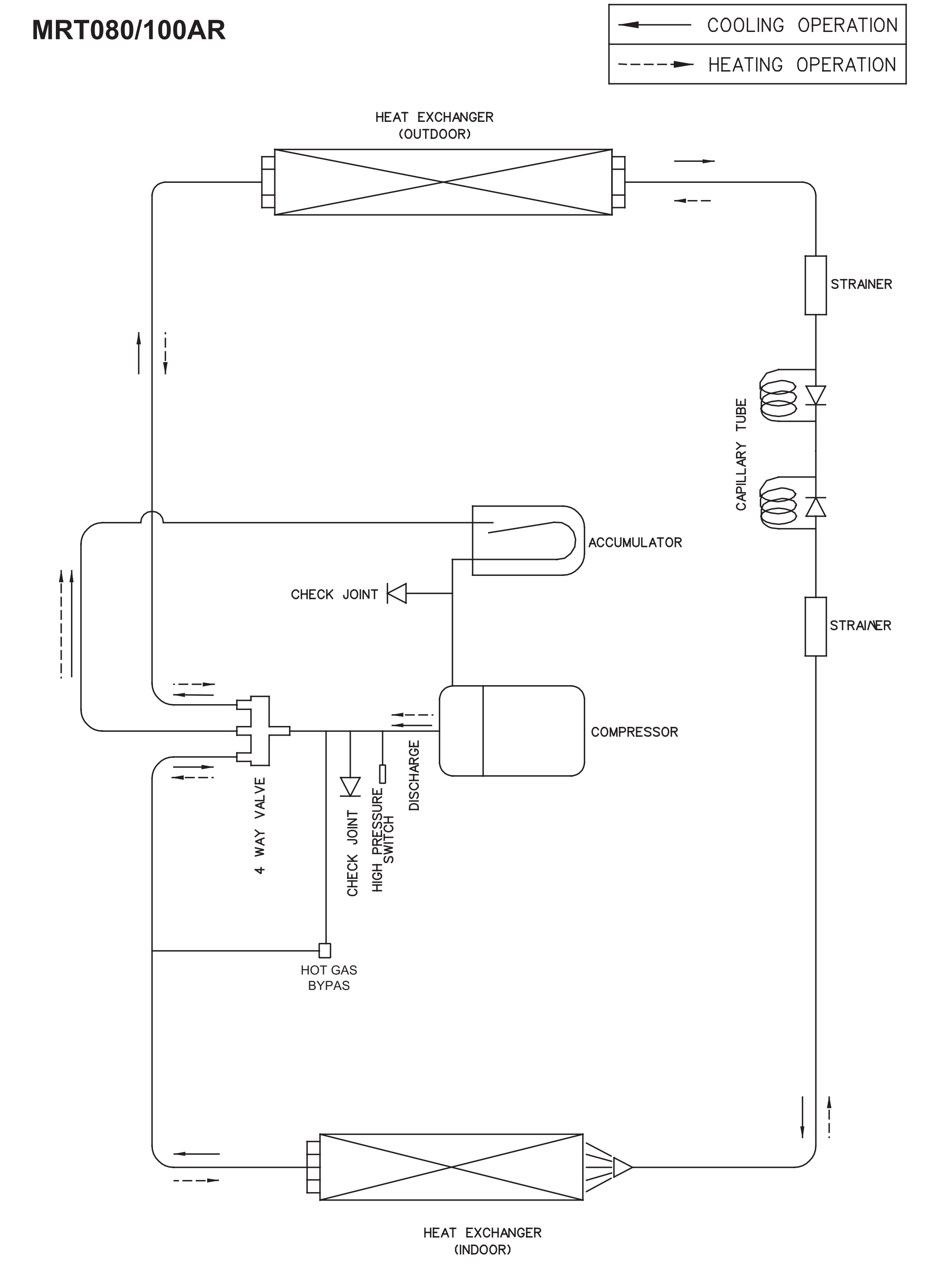


COOLING OPERATION
HEATING OPERATION
HEAT EXCHANGER
(OUTDOOR)
TXV
ACCUMULATOR
CHECK JOINT
BIFLOW FILTER DRIER
COMPRESSOR
CAPILLARY TUBE
4-WAY VALVE
CHECK JOINT
HIGH PRESSURE
SWITCH
DISCHARGE
HEAT EXCHANGER
(INDOOR)

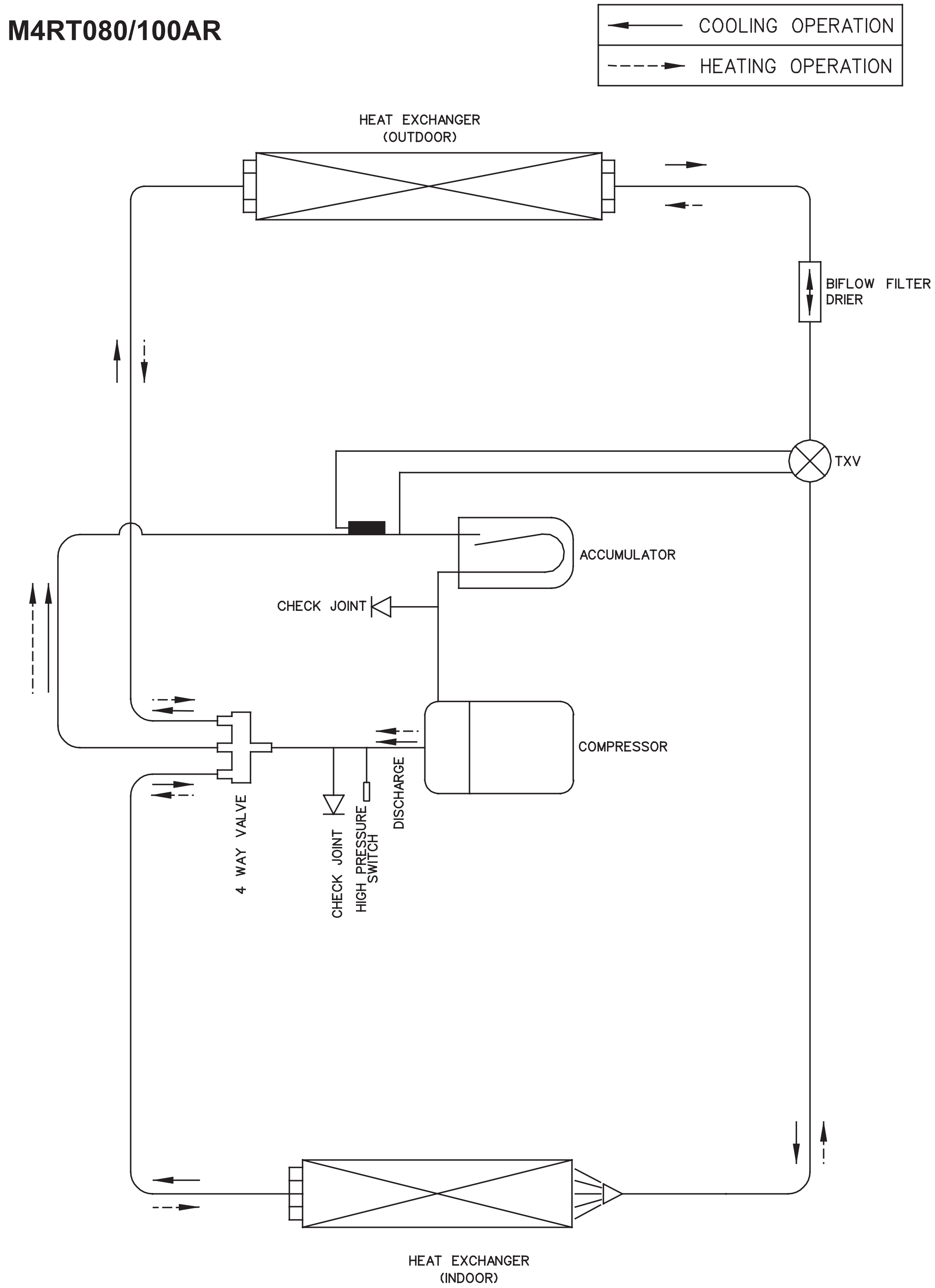
**M(4)RT060AR**


COOLING OPERATION
HEATING OPERATION
HEAT EXCHANGER
(OUTDOOR)
BIFLOW FILTER DRIER
TXV
ACCUMULATOR
CHECK JOINT
COMPRESSOR
4 WAY VALVE
CHECK JOINT
HIGH PRESSURE
SWITCH
DISCHARGE
HOT GAS
BYPAS
HEAT EXCHANGER
(INDOOR)

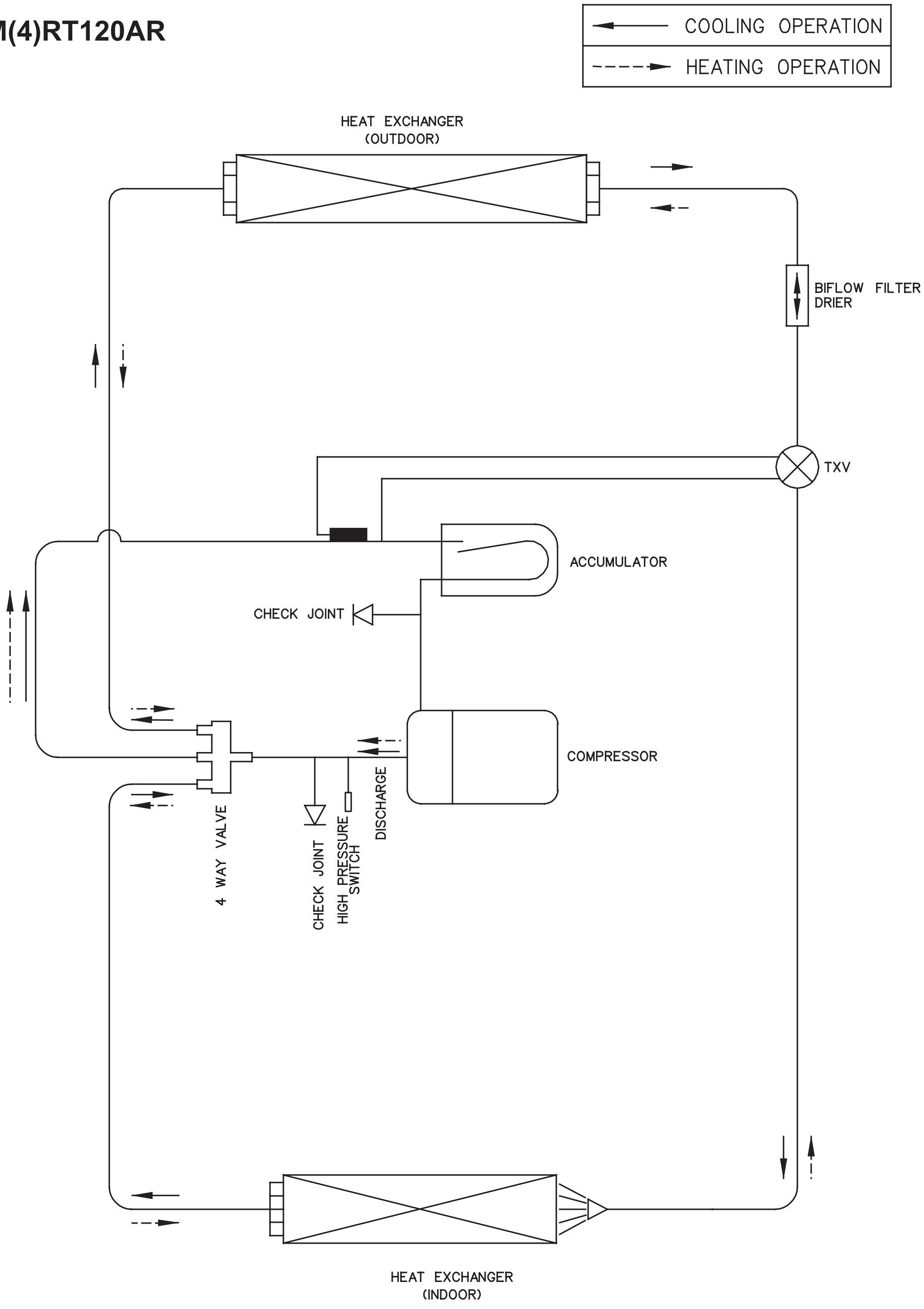
## MRT080/100AR



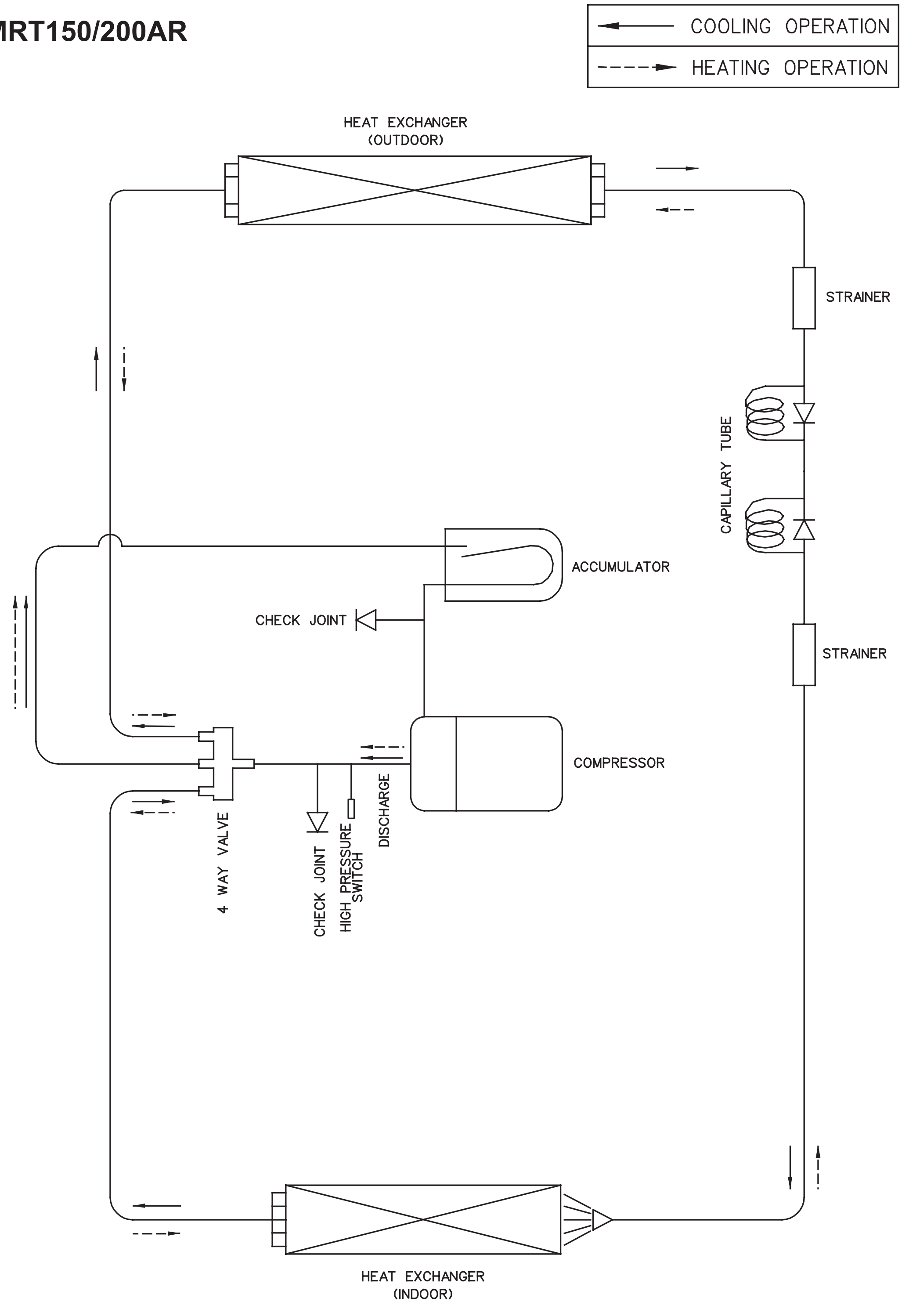
## M4RT080/100AR



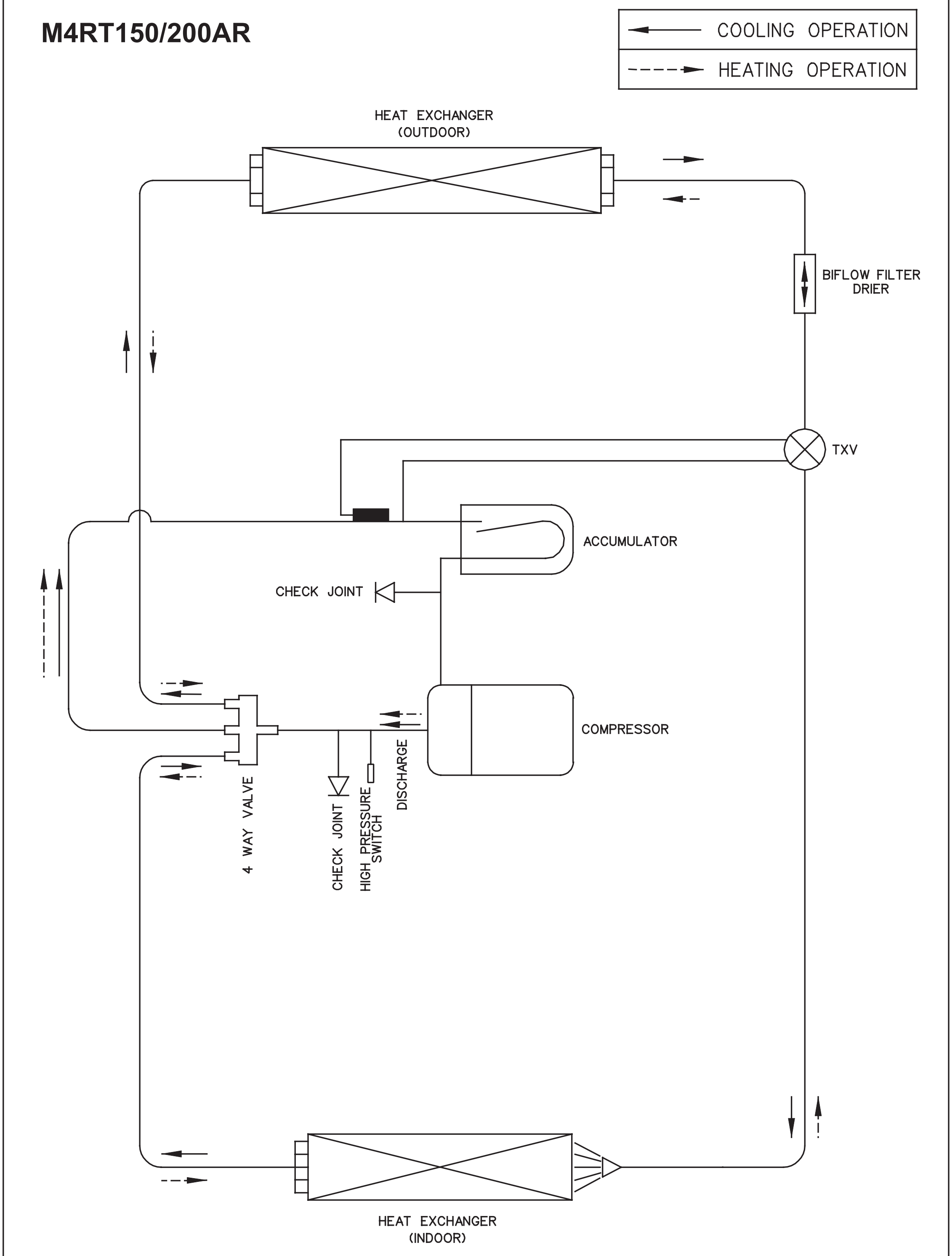
# M(4)RT120AR


COOLING OPERATION
HEATING OPERATION
HEAT EXCHANGER
(OUTDOOR)
BIFLOW FILTER
DRIER
TXV
ACCUMULATOR
CHECK JOINT
COMPRESSOR
4 WAY VALVE
CHECK JOINT
HIGH PRESSURE
SWITCH
DISCHARGE
HEAT EXCHANGER
(INDOOR)

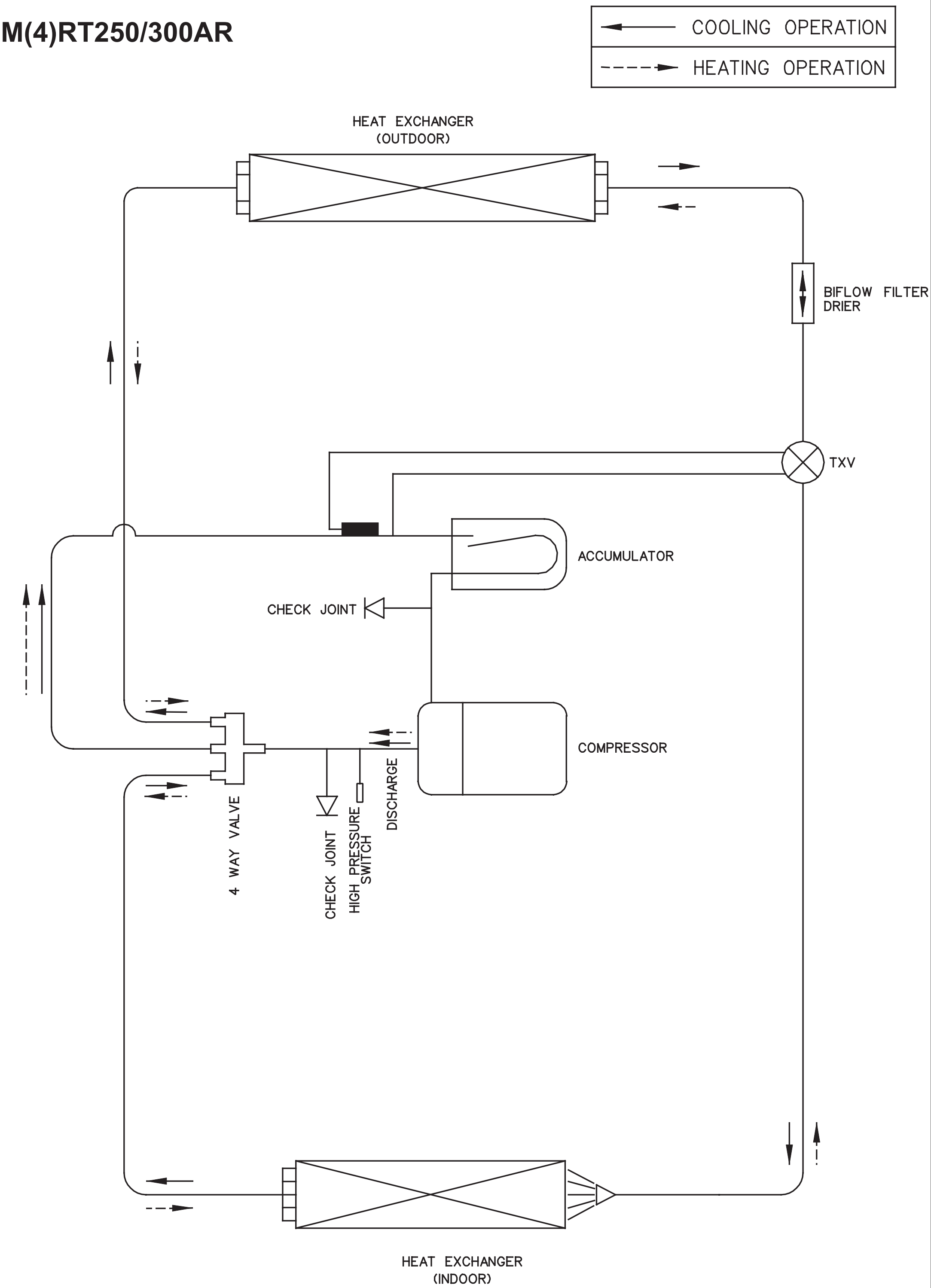
## MRT150/200AR



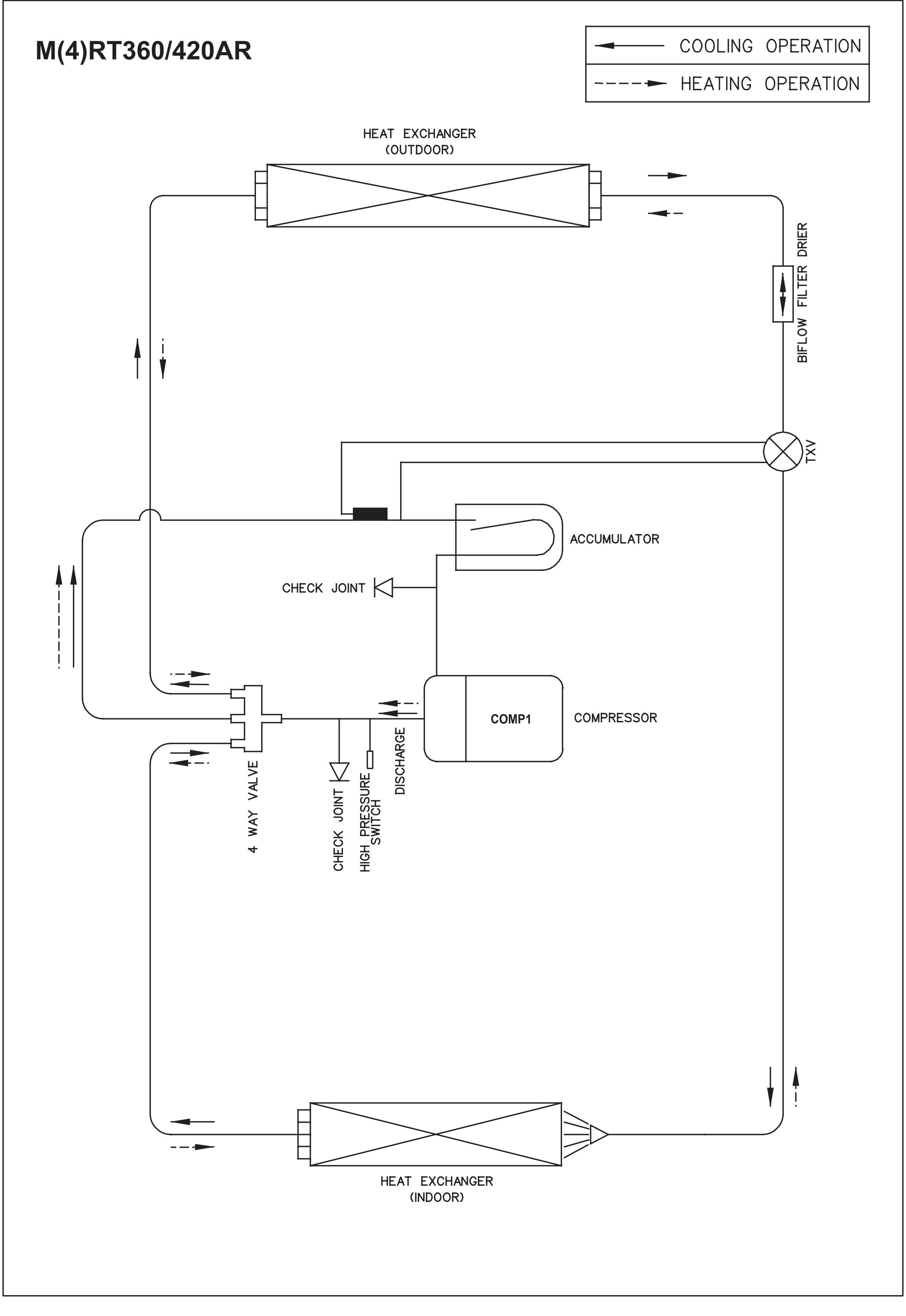
## M4RT150/200AR



## M(4)RT250/300AR

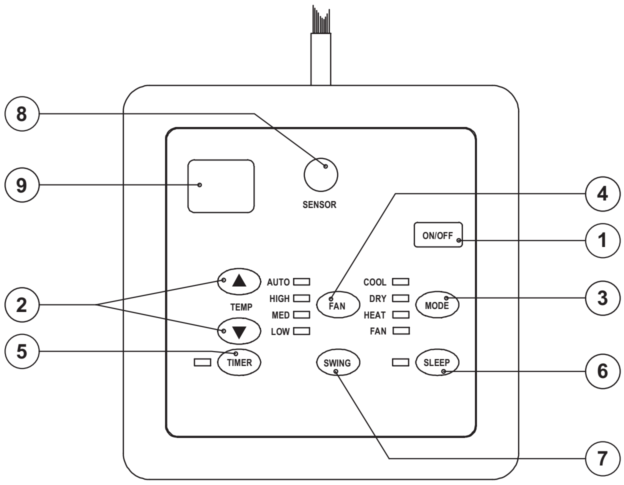


## M(4)RT360/420AR

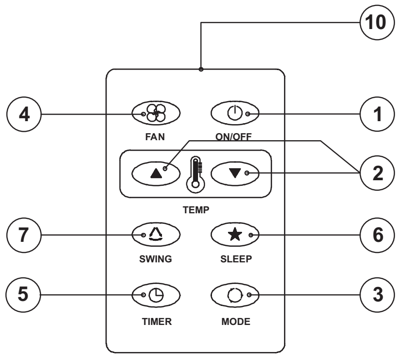


# Controllers

## SLM Wired Controller (Model: M(4)RT055/060/080/100/120A/AR)




SLM




AC-5300 (OPTIONAL)

1. **"ON/OFF" Switch**
   - Press to start the air conditioner unit.
   - Press again to stop the unit.

2. **Temperature Setting**
   - Set the desired room temperature.
   - Press  button to increase or decrease the set temperature. Setting range are between16ºC to 30ºC (60ºF to 80ºF).

3. **Operation Modes**
   - Press the "mode" button for select the type of operating mode.
   - Cooling Only :
     COOL, DRY, FAN
   - Heat Pump :
     AUTO, COOL, DRY, HEAT, FAN
     (AUTO mode is represented by both COOL and HEAT LED light on)

4. **Fan Speed Selection**
   - Press the button until the desired fan speed is achieved.

5. **Timer**
   - Press the set button to select the switch timer of the air conditioner unit (the setting range is between 1 to 15 hours).

6. **"SLEEP" Mode**
   - Press button to activate the sleep function. This function can only be activated under "cool" or heating mode operation. When it is activated under ìcoolî mode operation, the set temperature will increase 0.5oC after 30 minutes, 1ºC after 1 hour and 2ºC after 2 hours.  If it is activated under "HEAT" mode operation, the set temperature will be decreased 0.5ºC after 30 minutes, 1ºC after 1 hour and 2ºC after 2 hours.

7. **Air Swing**
   - Press button to activate the automatic air swing function.

8. **Sensor**
   - Infra red sensor to receive signals from wireless controller.

9. **LED Display**
   - To display the set temperature (inºC) and timer delay setting (in hours).

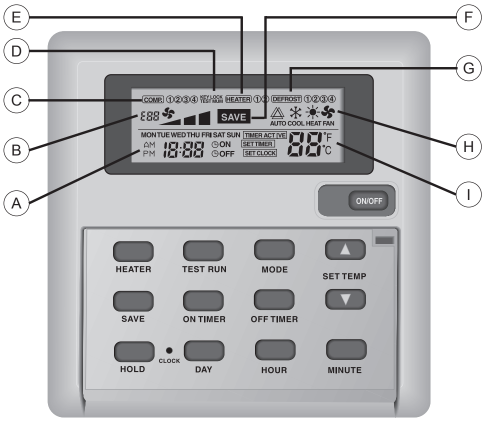
10. **Transmission Source**
    - To transmit signals to the air conditioner.

| Error | Seven Segments |
|---|---|
| Room Sensor missing/Short | E1 blinking |
| Indoor coil sensor missing/Short | E2 blinking |
| Outdoor coil sensor missing/Short | E3 blinking |
| Compressor overload | E4 blinking |
| Outdoor abnormal compressor overload trip or gas leak | E5 blinking |

## Sequential Controller (Model: M(4)RT150/200/250/300/360/420A/AR)

### Sequential Controller Functions

### 1) Sequential Controller LCD Display




A : Time display
B : Error indication
C : Compressor running display (up to 4 compressors)
D : Key lock display
E : Heater display (up to 2 heaters)
F : Energy saving mode display
G : Compressor defrost cycle display (up to 4 compressors)
H : Operation mode display
I : Temperature set display

### 2) Operating Guide

**a) ON/OFF Key**

Press once to start the air conditioning unit.
Press again to stop the unit.
The operation lamp next to the key lights up and goes off respectively when the unit is running or not running.
Caution : In the case when the ON/OFF key is pressed immediately after the operation is stopped, the unit will not restart until 3 minutes later to protect the compressor.

**b) Selecting Operation Mode**

Press the MODE key to select the type of operating mode. Consecutive press of the key switches the operation over “COOL”, “HEAT”, “AUTO” and “FAN”

**c) Save Mode**

Press the SAVE key to select the energy saving function. This option is only available for “COOL”, “HEAT” and “AUTO” modes.

**d) Auxiliary Electric Heater**

If the “HEAT” mode provides insufficient heating to a room even at the highest temperature setting (30ºC), press the HEATER key to activate the auxiliary electric heater. For models with two heaters, consecutive press of the key allows the selection of one or both heaters active.

**e) Temperature Setting**

To set the desired room temperature, press ▲ or ▼ to increase or decrease the set temperature in the range of 16ºC to 30ºC. Press both ▲ and ▼ simultaneously to toggle between ºC and ºF setting.

**f) Time Setting**

Real time Clock

Press the CLOCK key once to activate set clock mode.
Press again to disable set clock mode.
Under set clock mode, the time of the present day can be set by pressing the respective MINUTE, HOUR and DAY key.

<u>7-days timer</u>
Press the **ON TIMER** key to activate auto-ON timer mode. Under this mode, press the respective **MINUTE, HOUR** and **DAY** key to select the time of the week when the air-conditioning unit is to automatically start running. Press the **ON TIMER** key again to save the setting.

Press the **OFF TIMER** key to activate auto-OFF timer mode. Under this mode, press the respective **MINUTE, HOUR** and **DAY** key to select the time of the week when the air-conditioning unit is to automatically stop running. Press the **ON TIMER** key again to save the setting.

Then to activate the 7-days timer, press and hold the **TIMER ACTIVE** key until the word “TIMER ACTIVE” appears on the LCD screen. Repeat the same step to disable the 7-days timer.

**g) Other Function**
<u>Key Lock</u>
Press the **MINUTE** key 3 times consecutively and fast to activate the key lock. A “KEY LOCK” symbol will appear on the LCD screen. At this point, only the ON/OFF key is valid.
To disable the key lock, again press the **MINUTE** key 3 times consecutively and fast.

<u>Test run</u>
Press the TEST key 2 times consecutively to test run the unit.

**3) Error Code**
When the system is on and an error occurs, the **ON/OFF** LED on the LCD panel will blink and an error code is shown. When the system is off and there is a thermistor error, the **ON/OFF** LED is off but the error code is still displayed. Each error code represents different message as below

| Error code | Possible fault | Error code | Possible fault |
|---|---|---|---|
| E01 | Require manual reset (possible causes) | | |
| E02 | Compressor 1 high temperature (overload) | E20 | Indoor coil sensor 1 open |
| E03 | Compressor 2 high temperature(overload) | E21 | Indoor coil sensor 2 open |
| E06 | Compressor 1 high pressure trip / contact open | E24 | Outdoor coil sensor 1 short |
| E07 | Compressor 2 high pressure trip / contact open | E25 | Outdoor coil sensor 2 short |
| E10 | Compressor 1 trip / low R-22 / outdoor abnormal | E28 | Outdoor coil sensor 1 open |
| E11 | Compressor 2 trip / low R-22 / outdoor abnormal | E29 | Outdoor coil sensor 2 open |
| E14 | Room sensor short | E32 | Compressor 1 de-ice |
| E15 | Room sensor open | E33 | Compressor 2 de-ice |
| E16 | Indoor coil sensor 1 short | | |
| E17 | Indoor coil sensor 2 short | | |

**4) Installation Of LCD Remote Controller**
**a) Accessories**
The following accessories are included. If any part is missing, contact your dealer immediately.
① Remote controller
② Wooden screw 4.1 x 16 (2 pieces)
③ Instruction manual

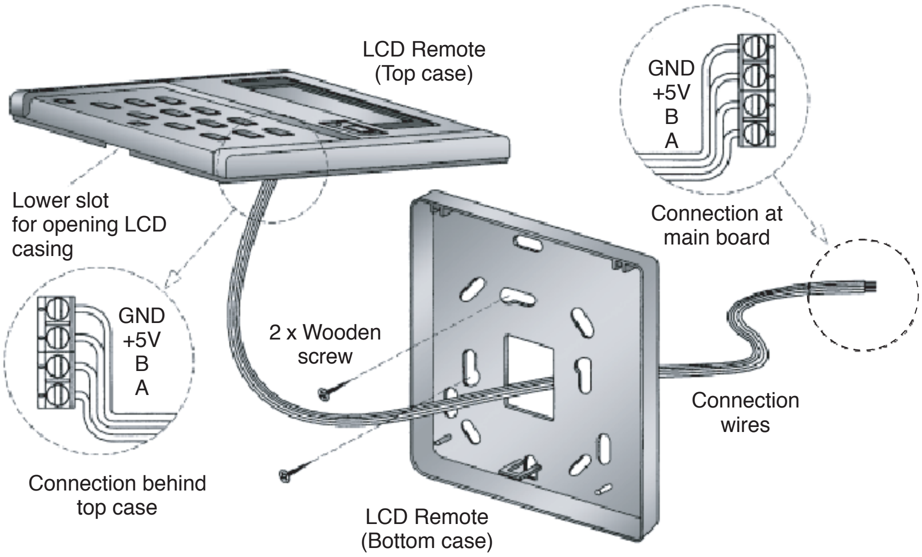
**b) Step-by-step guide**

i) First, open up the casing of the LCD remote controller into its top and bottom case using a screwdriver. To do this, insert the screwdriver into the lower slot and slide it in the outward direction.

ii) Fix the bottom case onto the wall with the 2 wooden screws provided. Then, insert the 4 connecting wires (from the main board) through the slot on the lower right.

iii) Connect one end in each of the 4 wires to the terminal block behind the top case as shown below. The wire that goes into the "GND" terminal at the top case must be connected at the other end to the "GND" terminal at the main board. The same goes for the "+5V", "B" and "A" connection.

iv) Fasten back the top and bottom case into place. Hook the two upper claws into their respective slots and snap the lower part shut.




**5) Auto Random Restart**

When power is resumed, the unit will automatically restart and operate at the previous setting as before power failure occurred. (Remove jumper at JH/JP1 to cancel the auto random restart function. Please refer to wiring diagram for the location of JH/JP1 Jumper).

# Precaution & Installation

## Safety Precautions

Before installing the air conditioner unit, please read the following safety precautions carefully.

### WARNING

- Installation and maintenance should be performed by qualified persons who are familiar with local code and regulation, and experienced with this type of appliance.
- All field wiring must be installed in accordance with the national wiring regulation.
- Ensure that the rated voltage of the unit corresponds to that of the name plate before commencing wiring work
- According to the wiring diagram.
- The unit must be GROUNDED to prevent possible hazard due to insulation failure.
- All electrical wiring must not touch the refrigerant piping, compressor and any moving parts of the fan motors.
- Confirm that the unit has been switched OFF before installing or servicing the unit.
  Before installing the air conditioner unit, please read the following safety precautions carefully.

### CAUTION

**Please take note of the following important points when installing**

- **Do not install the unit where leakage of flammable gas may occur**

  If gas leaks and accumulates around the unit, it may cause fire ignition.

- **Confirm drainage piping is connected properly**

  If the drainage piping is not connected perfectly, it may cause water leakage which will dampen the furniture.

- **Do not overcharge the unit**

  This unit is factory pre-charged. Over charge will cause over current or damage to the compressor.

- **Ensure that the unit panel is closed after service or installation.**

  Unsecured panel will cause unit to operate noisily.

## Installation

All series of air conditioners are designed for outdoor installations and are to be placed on a slab or rooftop. However, if the air conditioner is to be installed in a plant room, please contact your equipment supplier prior to installation for further advise.

Access to the compressors, control wiring, and fans for service and installation purpose must be provided. Please see item 1: Space Required Around Units for recommendations.

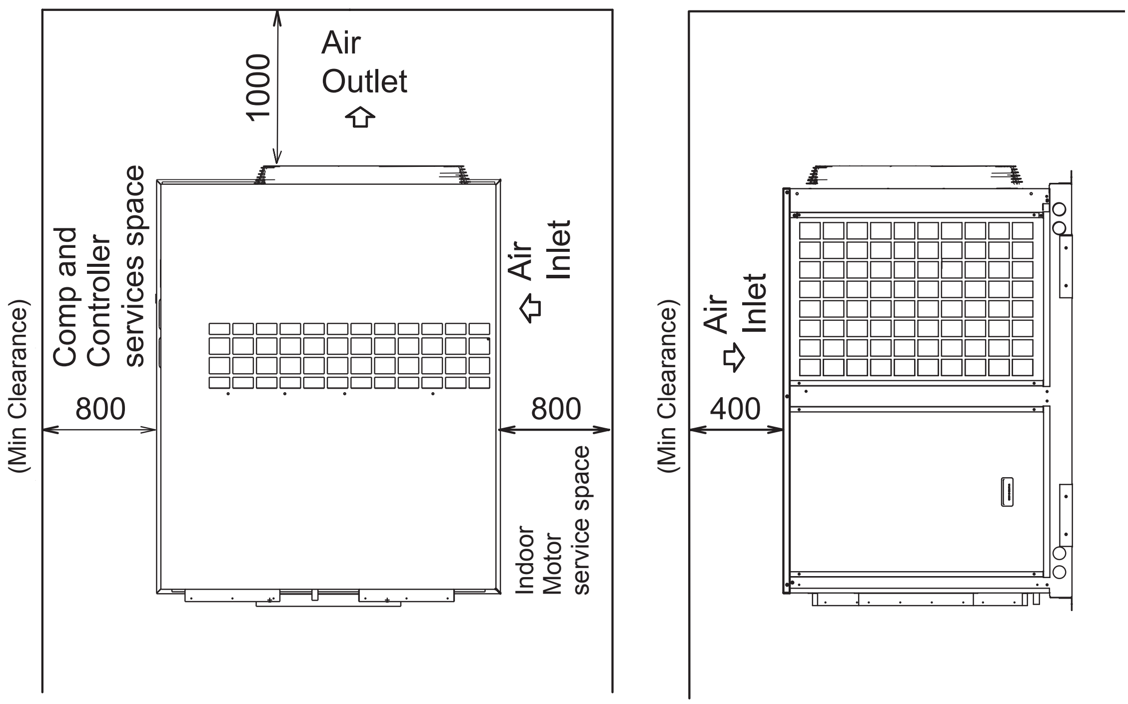
**1. Space Required Around Units.**

(1) Care must be taken to prevent recirculation of air. To stabilize compressor and condensing pressure, it is recommended that wherever possible the condenser air inlet side should be faced away from prevailing winds. Please see diagrams below.

(2) For rooftop installation, the type of mounting base depends on the construction of the roof. A built-up roof may not support the weight of the unit. Hence, it may be necessary to support the unit by adding structural members below it.

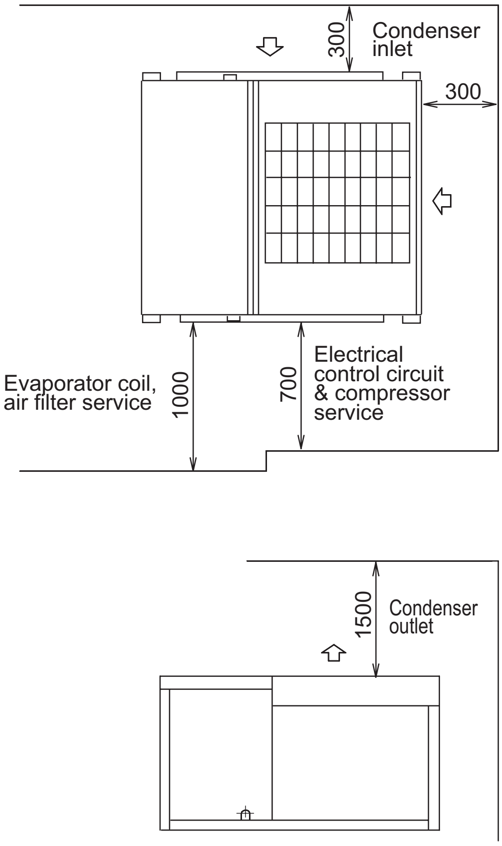
(3) The units are equipped with hoisting hangers for rigging and hoisting of the unit. Please see item 3: Lifting method for further information.
The hoisting plates are located on the top of the unit. When hoisting the unit with a crane, spreader bars must be used to prevent damage to side panels by the supporting cables.

MRT055A/AR



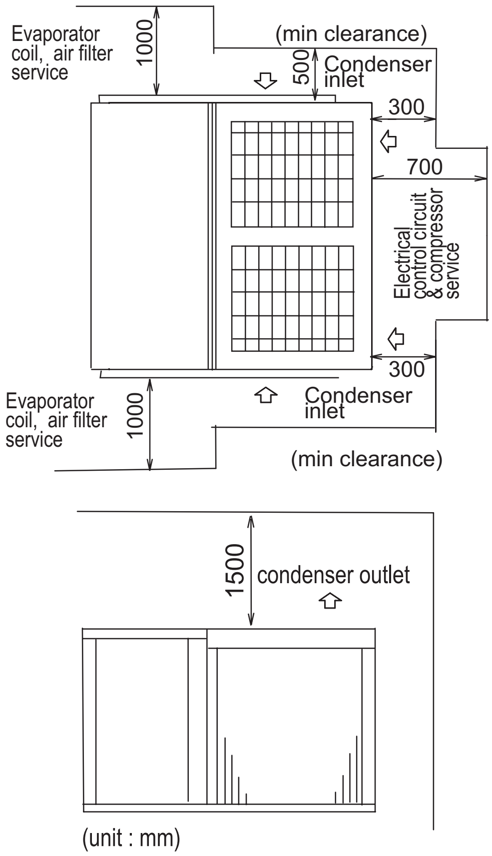

(unit ; mm)
All space value ; minimum clearance

## M(4)RT060/080/100/120 A/AR



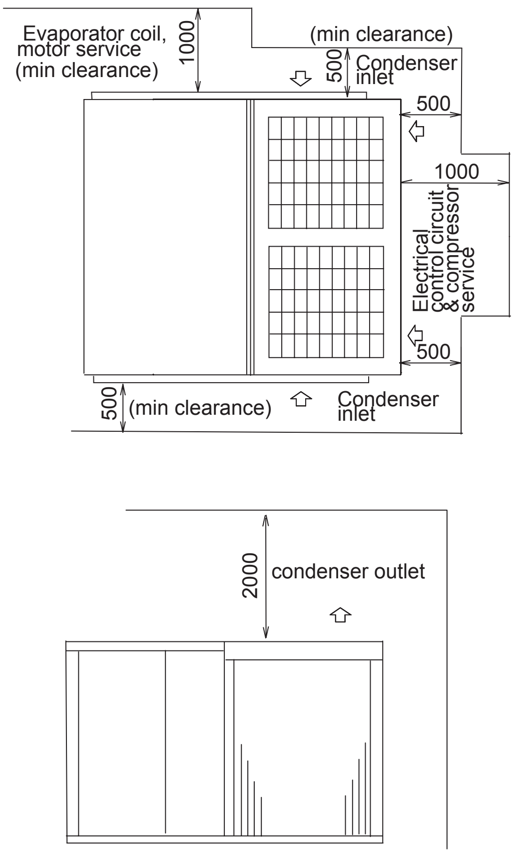

(unit : mm)

## M(4)RT150/200 A/AR



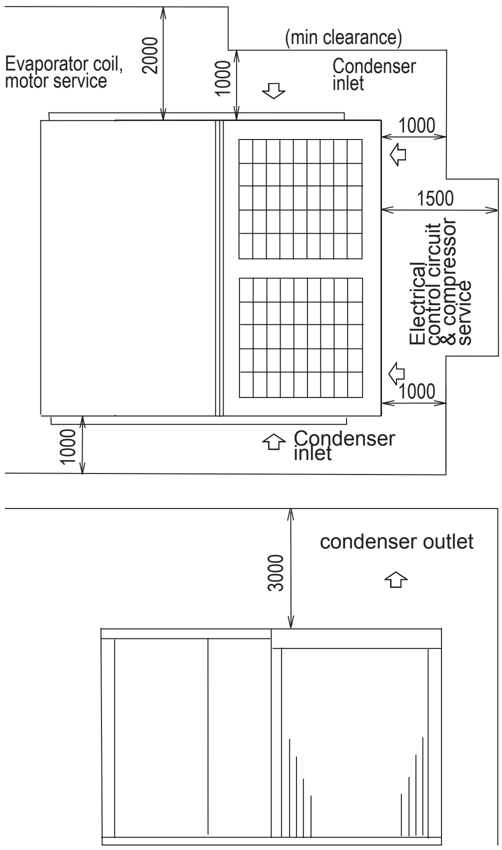

(unit : mm)

## M(4)RT250/300 A/AR




(unit : mm)

## M(4)RT360/420 A/AR



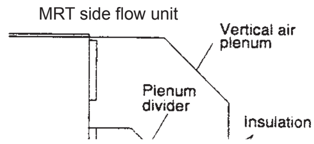

(unit : mm)

**2. Duct Construction.**

(1) Series MRT side flow units are equipped with horizontal supply and return air openings. Duct connection to the unit should be made with duct flanges and secured directly to the air openings with flexible duct connectors to avoid normal noise transmission.

(2) For vertical air supply, a field supply plenum should be used. The figure shows the recommended method for duct connection.

Duct connection with a vertical air plenum at MRT side flow unit




(3) To prevent air leakage, all duct seams should be taped. Duct runs in air spaces that are not air-conditioned must be insulated and provided with a vapor barrier.
Ducts exposed outdoors must be weather proofed. For quiet operation, we recommend that the insulation on the supply duct be placed inside, lining the duct.

(4) Where ducts from outdoors enter a building, the duct openings in the building should be sealed with weather stripping to prevent rain, dirt, sand, etc. from entering the building.

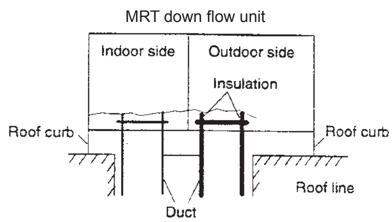
(5) Correctly sized filters must be fitted. There is no provision within the unit for the placement of filter. However, the filters may be installed in the return air chamber.

(6) Duct earth wiring must be connected. Please refer to the section "Outlines and dimensions" for the correct position.

**Optional Feature (Down Flow)***

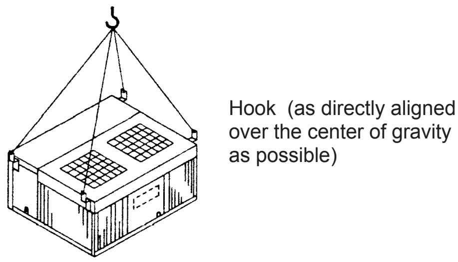
Series MRT down flow units are equipped with vertical supply and return air openings. Duct connection to the unit should be made with duct flanges to avoid normal noise transmission.
When connecting duct earth wiring for down flow configuration, we must use accessory screw attached on the control box cover.
* Site modification required. Please refer to item 6:
OPTIONAL FEATURES for details.

Duct connection at MRT down flow unit



### 3. Lifting Method.

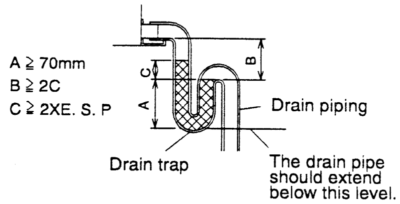
When the unit is to be lifted and moved, attach ropes to the hoisting hangers (4 pieces) provided on the top corners of the unit.
When the unit is lifted, its center of gravity tends to shift the unit to one side. Imbalance such as that in the figure should be attained. The angles at which the ropes suspend the unit should be at least 60º at the compressor end and at least 45º at the condenser end.
Care should be taken to avoid contact with the unit while it is being lifted.




### 4. Drain Piping.

(1) The condensate drain fitting (R1) is provided. The drain pipe can be led out at the right or left side. Please see Chapter 10: Outlines & Dimensions for further details.
(2) The drain pipe must be provided with a trap on the outside of the unit and also installed at an incline for proper drainage, as shown below.
(3) To prevent condensate formation and leakage, provide the drain pipe with insulation to safeguard against sweating.
(4) Upon completion of the piping work, check that there is no leakage and that the water drains off properly.

The drain piping should have a drain trap.




Note: ESP = External Static Pressure
Drain trap for condensate

### 5. Refrigerant Charge

An additional charge is unnecessary.
The table below shows the amount of the charge when the unit is shipped from the factory.

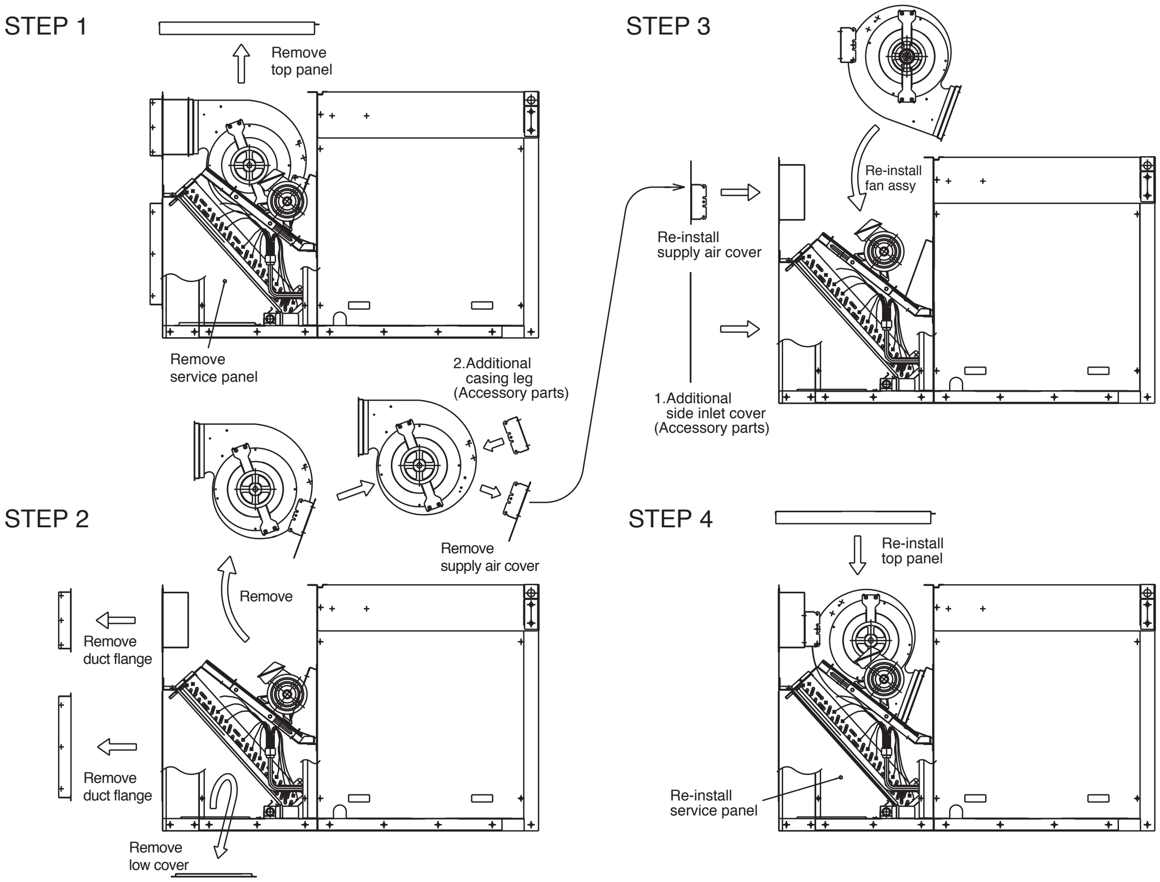
| | MRT055A | MRT060A | MRT080A | MRT100A | MRT120A | MRT150A |
|---|---|---|---|---|---|---|
| Refrigerant charge per circuit (kg) | 3.6 | 5.2 | 4.0 | 5.9 | 6.2 | 2 x 4.5 |
| | MRT200A | MRT250A | MRT300A | MRT360A | MRT420A | |
| Refrigerant charge per circuit (kg) | 2 x 5.9 | 2 x 10.5 | 2 x 10.4 | 16.5 , 19.5 | 2 x 19.5 | |
| | MRT055AR | MRT060AR | MRT080AR | MRT100AR | MRT120AR | MRT150AR |
| Refrigerant charge per circuit (kg) | 3.9 | 4.5 | 4.7 | 5.6 | 6.0 | 2 x 4.7 |
| | MRT200AR | MRT250AR | MRT300AR | MRT360AR | MRT420AR | |
| Refrigerant charge per circuit (kg) | 2 x 5.6 | 2 x 10.0 | 2 x 9.4 | 13.5 , 16 | 2 x 16.4 | |

| | M4RT060A | M4RT080A | M4RT100A | M4RT120A | M4RT150A |
|---|---|---|---|---|---|
| Refrigerant charge per circuit (kg) | 4.6 | 4.6 | 5.9 | 5.6 | 2 x 3.9 |
| | M4RT200A | M4RT250A | M4RT300A | M4RT360A | M4RT420A |
| Refrigerant charge per circuit (kg) | 2 x 4.2 | 2 x 9.6 | 2 x 10.4 | 14.5 , 18.0 | 2 x 18.0 |
| | M4RT060AR | M4RT080AR | M4RT100AR | M4RT120AR | M4RT150AR |
| Refrigerant charge per circuit (kg) | 4.3 | 5.2 | 6.0 | 6.0 | 2 x 5.0 |
| | M4RT200AR | M4RT250AR | M4RT300AR | M4RT360AR | M4RT420AR |
| Refrigerant charge per circuit (kg) | 2 x 5.8 | 2 x 9.4 | 2 x 9.6 | 13.5 , 16 | 2 x 16 |

### 6. Optional Features (Down Flow) - Site Modification Required.
### Reconstruction Method. (From Side Flow To Down Flow)
### (For M(4)RT080/100/120/150/200A/AR Only)

Series MRT side flow units are able to be modified to down flow in the field with the help of additional accessory items.

The following diagrams show the necessary steps to reconstruct the unit from side flow to down flow.



## 7. Special Precautions When Dealing With Refrigerant R407C Unit

### (1) What Is New Refrigerant R407C?

R407C is a zeotropic refrigerant mixture which has Zero Ozone Depletion Potential (ODP = 0) and thus, conforms to the Montreal Protocol regulation. It requires Polyol-ester (POE) oil for its compressor's lubricant. Its refrigerant capacity and performance are about the same as the refrigerant R22.

### (2) Components

Mixture of composition by weight: R32(23%), R125(25%), R134a(52%)

### (3) Characteristic

- R407C liquid and vapor components have different compositions when the fluid evaporates or condenses. Hence, when a leak occurs and only vapor leaks out, the composition of the refrigerant mixture left in the system will change and subsequently affect the system performance. DO NOT add new refrigerant to a leaked system. It is recommended that the system should be evacuated thoroughly before recharging with R407C.
- When refrigerant R407C is used, the composition will differ depending on whether it is in gaseous or liquid phase. Hence when charging R407C, ensure that only liquid is being withdrawn from the cylinder or can. This is to make certain that only original composition of R407C is being charged into the system.
- POE oil is used as a lubricant for R407C compressor, which is different from the mineral oil used for R22 compressor. Extra precaution must be taken to avoid exposing the R407C system to moist air.

### (4) Check List Before Installation/servicing

- Tubing
  Refrigerant R407C is more easily affected by dust of moisture compared with R22, make sure to temporarily cover the ends of the tubing prior to installation
- Compressor oil
  No additional charge of compressor oil is permitted.
- Refrigerant
  No other refrigerant other that R407C
- Tools
  Tools specifically for R407C only (must not be used for R22 or other refrigerant)
  i) Gauge manifold and charging hose
  ii) Gas leak detector
  iii) Refrigerant cylinder/charging cylinder
  iv) Vacuum pump c/w adapter
  v) Flare tools
  vi) Refrigerant recovery machine

### (5) Handling And Installation Guidelines

Like R22 systems, the handling and installation of R407C systems are closely similar. All precautionary measures; such as ensuring no moisture, no dirt or chips in the system, clean brazing using nitrogen, and thorough leak check and vacuuming are equally important requirements. However, due to the zeotropic nature of R407C and its hydroscopic POE oil, additional precautions must be taken to ensure optimum and trouble-free system operation.

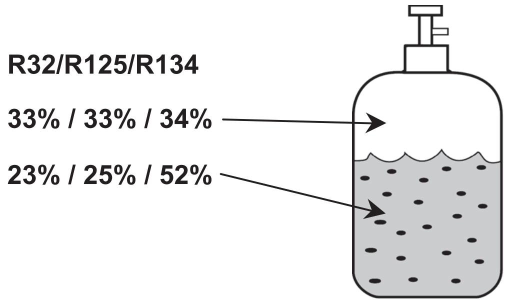
(a) Filter-dryer must be installed along the liquid line for all R407C air conditioners. This is to minimise the contamination of moisture and dirt in the refrigerant system. Filter-dryer must be of molecular sieve type. For a heat-pump system, install a two-way flow filter dryer along the liquid line.

(b) During installation or servicing, avoid prolong exposure of the internal part of the refrigerant system to moist air. Residual POE oil in the piping and components can absorb moisture from the air.

c) Ensure that the compressor is not exposed to open air for more than the recommended time specified by its manufacturer (typically less than 10 minutes). Remove the seal-plugs only when the compressor is about to be brazed.

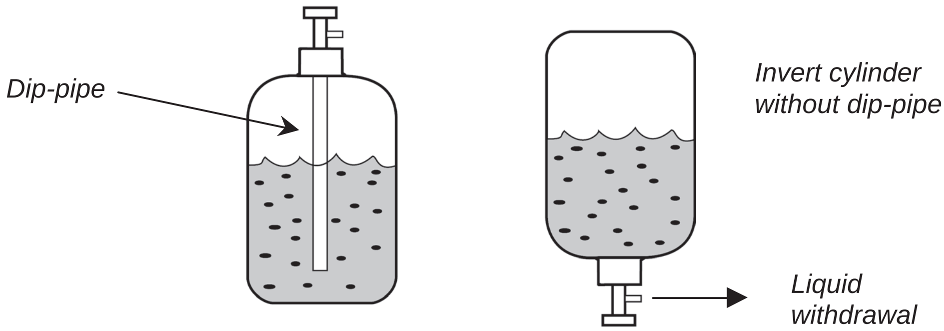
d) The system should be thoroughly vacuumed to 1.0 Pa (-700mmHg) or lower. This vacuuming level is more stringent than R22 system so as to ensure no incompressible gas and moisture in the system.

e) When charging R407C, ensure that only liquid is being withdrawn from the cylinder or can. This is to ensure that only the original composition of R407C is being delivered into the system. The liquid composition can be different from the vapor composition.




*Composition of R407C in vapour phase is different from liquid phase.*

f) Normally, the R407C cylinder or can is being equipped with a dip-pipe for liquid withdrawal. However, if the dip -pipe is not available, invert the cylinder or can so as to withdraw liquid from the valve at the bottom.




g) When servicing leaks, the top-up method, commonly practiced for R22 system, is not recommended for R407C systems. Unlike R22 where the refrigerant is of a single component, the composition of R407C (which is made-up of three different components) may have changed during the leak. Consequently, atop-up may not ensure that the R407C in the system is of the original composition. This composition shift may adversely affect the system performance. It is recommended that the system be evacuated thoroughly before recharging with R407C.

## 8. Electric Wiring

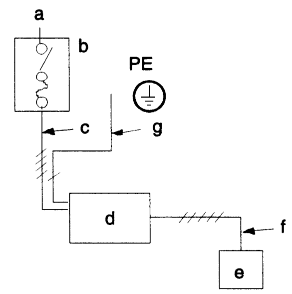
**Construct The Earth Connection.**
All electrical work must be carried out by a suitable qualified electrical trades-person and in accordance with local supply authority requirements and associated regulators.
The unit is to be wired directly from an electrical distribution board either by a circuit breaker (preferred) or HRC fuse.

Fix power source wiring to control box by using buffer bushing for sensible force (PG connection or the like). Connect control wiring to control terminal block through the knockout hole of control box using ordinary bushing.

NOTE : Earth wiring must be connected.
**Arrangement such as terminal block in control box.**

**Method For Connecting Electric Wire**
Please carry out the wiring after consulting with local electric power company on local regulations.

(I) The entire wiring diagram of unit.




| | |
|---|---|
| a. | Power supply |
| b. | Main switch/fuse (field supply) |
| c. | Power supply wiring for unit |
| d. | Unit |
| e. | Remote controller |
| f. | Connection wiring for unit / remote controller (no polarity) |
| g. | Earth |

(II) Electrical wiring
Remove the panel on the right side M(4)RT060~120A/AR or the rear side M(4)RT150~420A/AR of the unit and connect the units power supply wiring to the proper terminals in the control box.
Connect the wires by following the wiring diagram. Mis-connection will damage the controller.

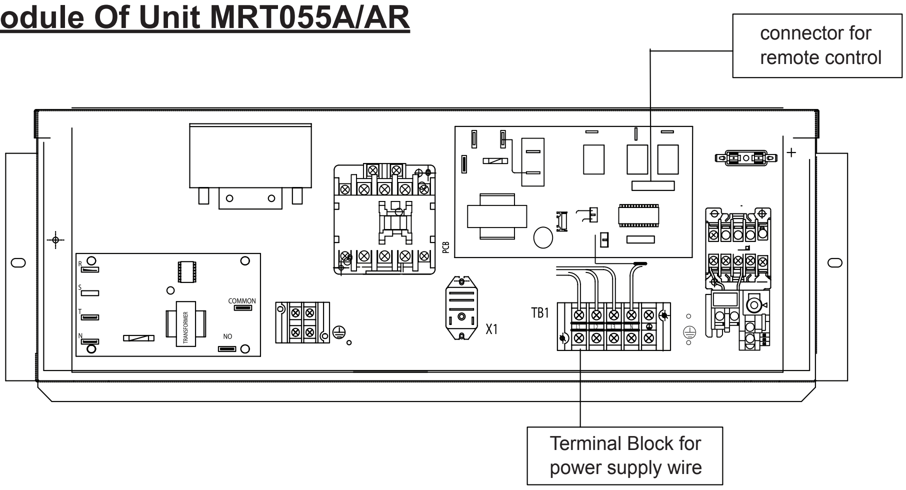
(III) Wiring example and selection of earth leakage breaker
380~415V, 50Hz, 3Ø

| Model | Power cable | Breaker capacity | Over current protection switch | Earth cable |
|---|---|---|---|---|
| MRT055A/AR | 4 $mm^2$ | 25A | 25A | 4 $mm^2$ over |
| M(4)RT060A/AR | 8 $mm^2$ | 40A | 40A | 8 $mm^2$ over |
| M(4)RT080A/AR | 14 $mm^2$ | 50A | 50A | 14 $mm^2$ over |
| M(4)RT100A/AR | 14 $mm^2$ | 50A | 50A | 14 $mm^2$ over |
| M(4)RT120A/AR | 14 $mm^2$ | 50A | 50A | 14 $mm^2$ over |
| M(4)RT150A/AR | 22 $mm^2$ | 100A | 100A | 22 $mm^2$ over |
| M(4)RT200A/AR | 22 $mm^2$ | 100A | 100A | 22 $mm^2$ over |
| M(4)RT250A/AR | 38 $mm^2$ | 125A | 125A | 38 $mm^2$ over |
| M(4)RT300A/AR | 38 $mm^2$ | 125A | 125A | 38 $mm^2$ over |
| M(4)RT360A/AR | 38 $mm^2$ | 125A | 125A | 22 $mm^2$ over |
| M(4)RT420A/AR | 38 $mm^2$ | 125A | 125A | 22 $mm^2$ over |

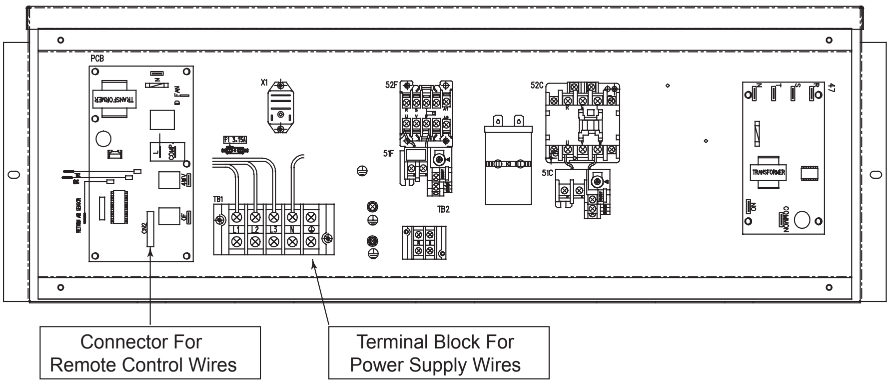
The grounding wire must be of the same diameter as the power cable wires. The table above is an example. The selection of other capacities should be determined in accordance with the relevant local standards, in the country of installation.

Note:
All electrical wiring must comply with local electrical authority regulations.

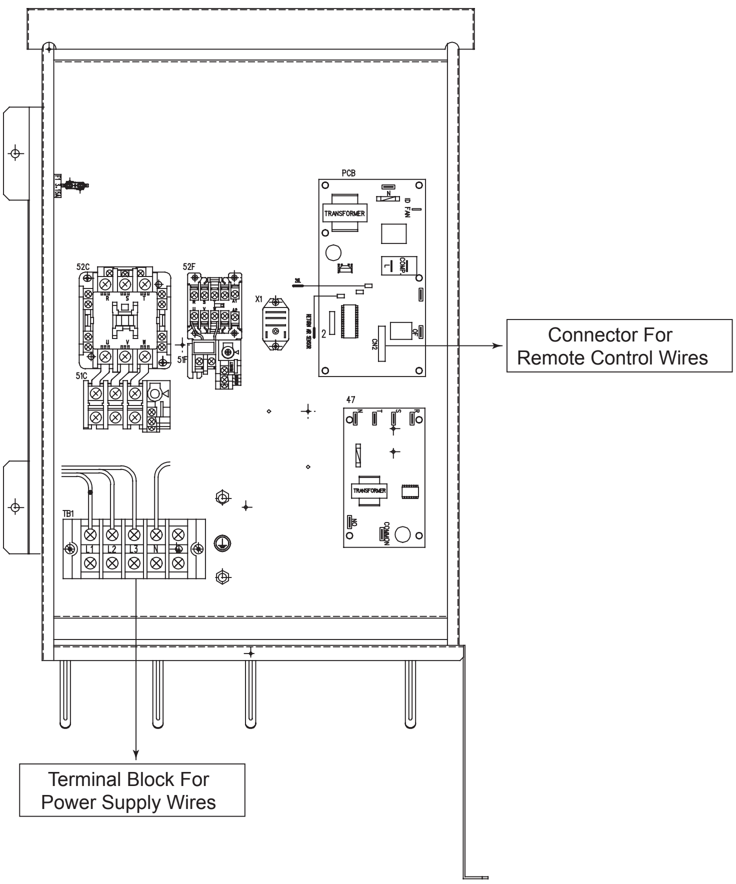
## Control Module Of Unit MRT055A/AR



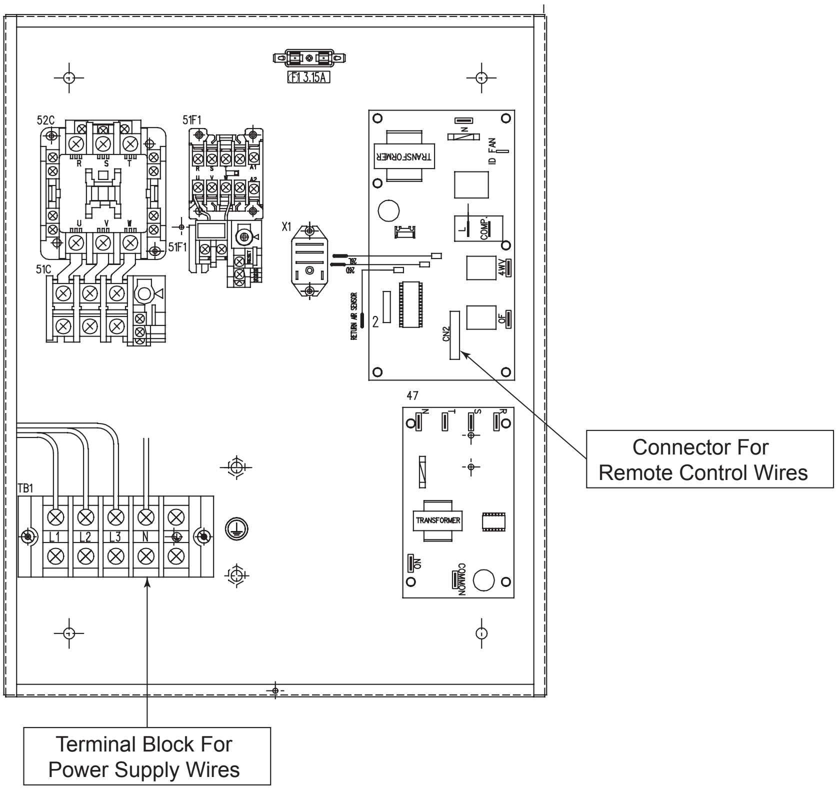

## Control Module Of Unit M(4)RT060A



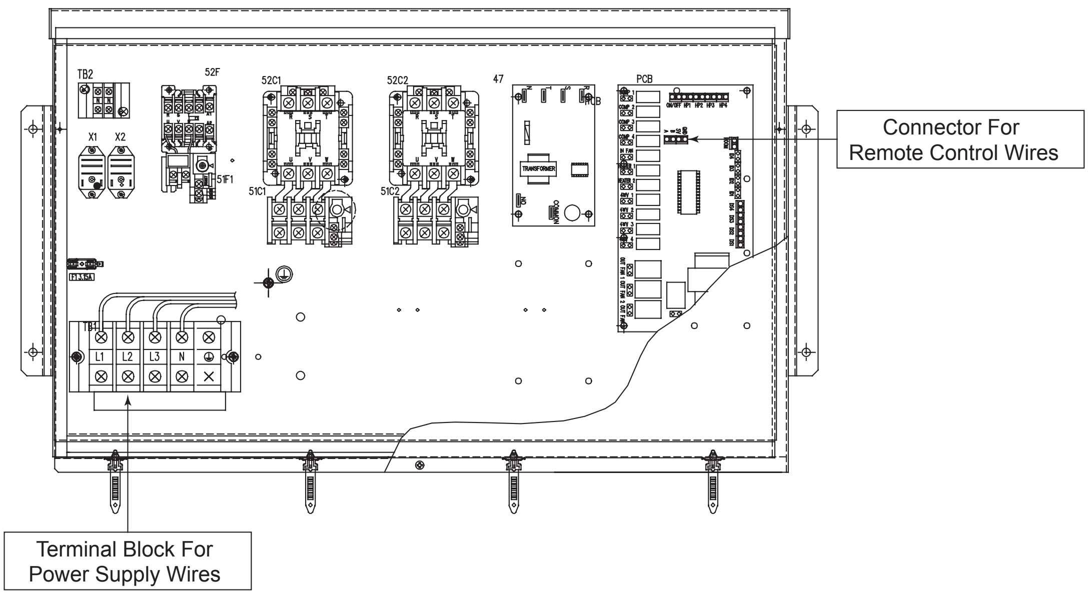

## Control Module Of Unit M(4)RT080/100A



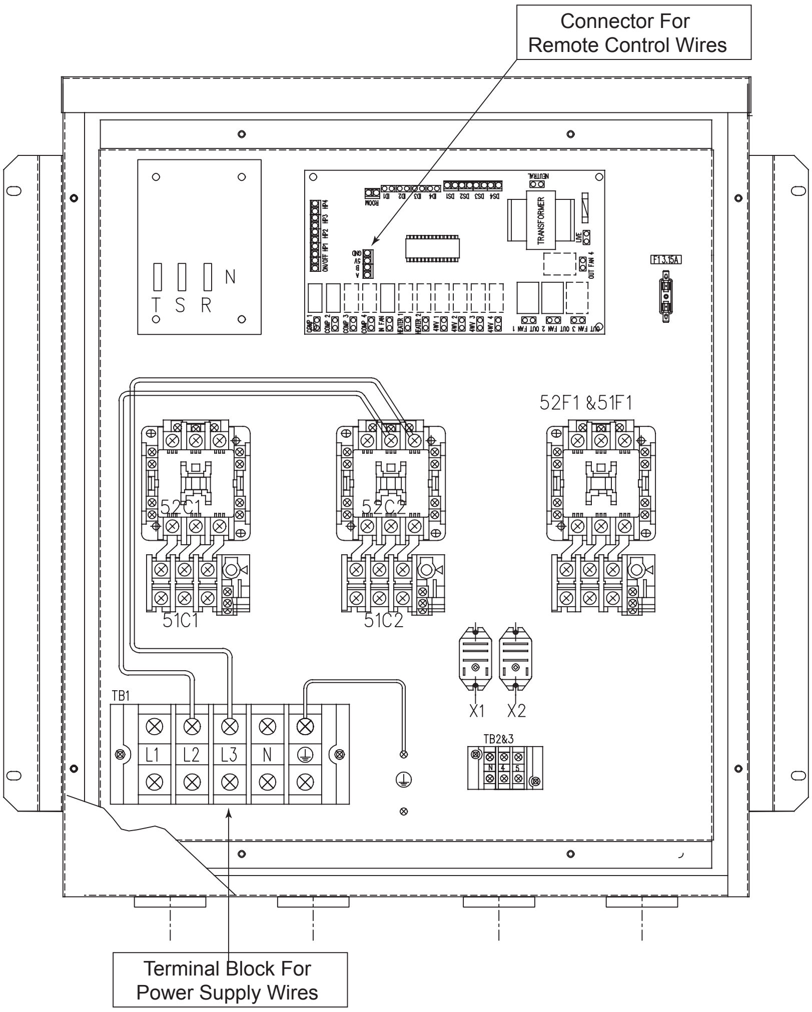
## Control Module Of Unit M(4)RT120A



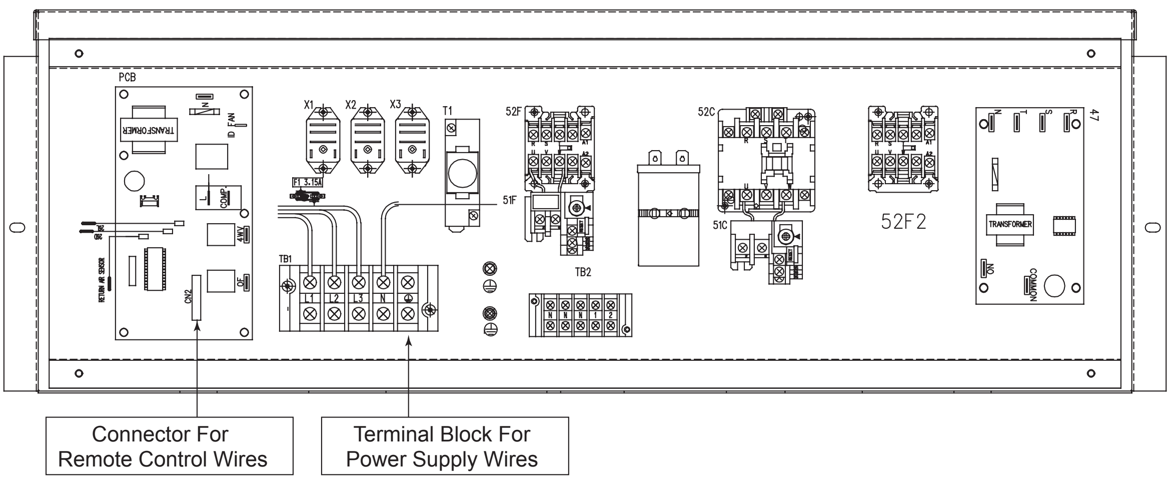

## Control Module Of Unit M(4)RT150/200A



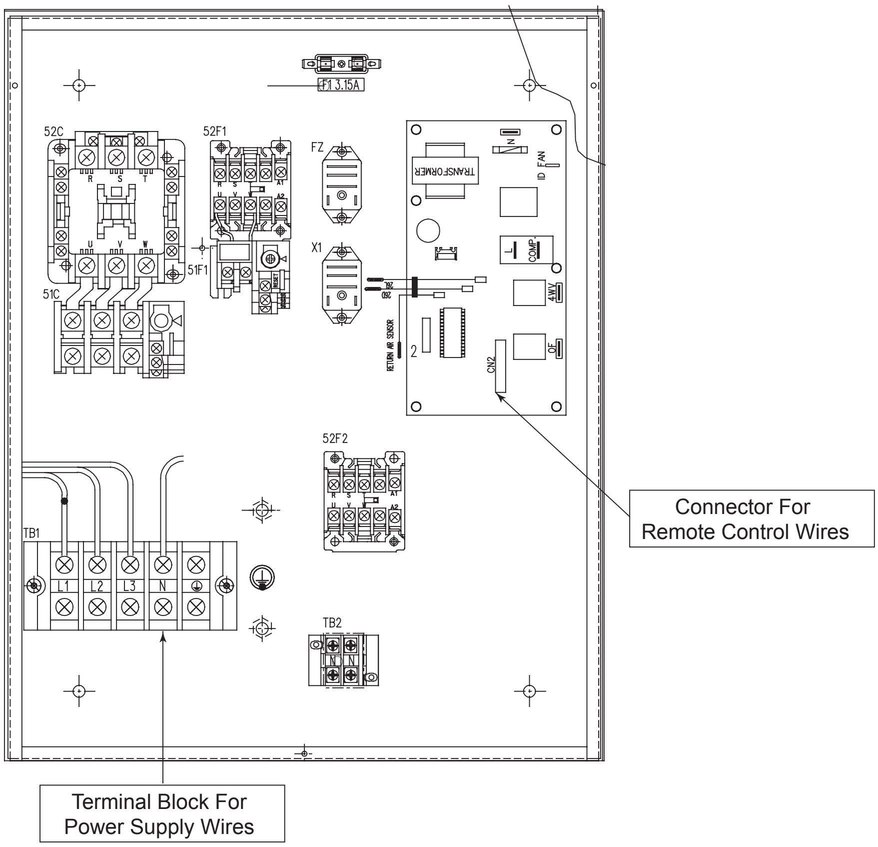
## Control Module Of Unit M(4)RT250/300A



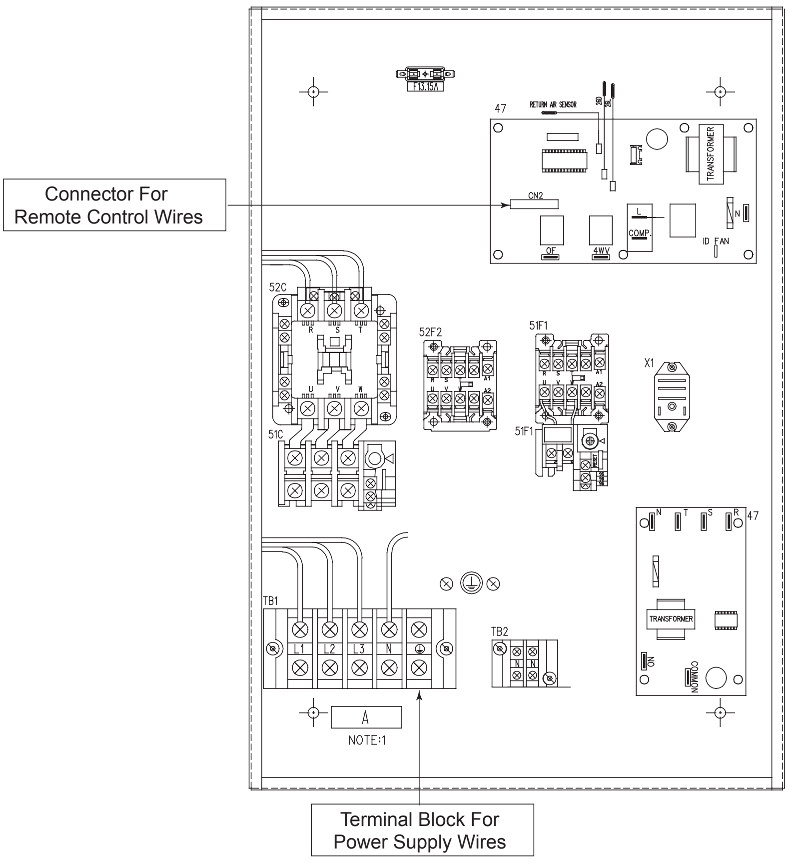

## Control Module Of Unit M(4)RT060AR



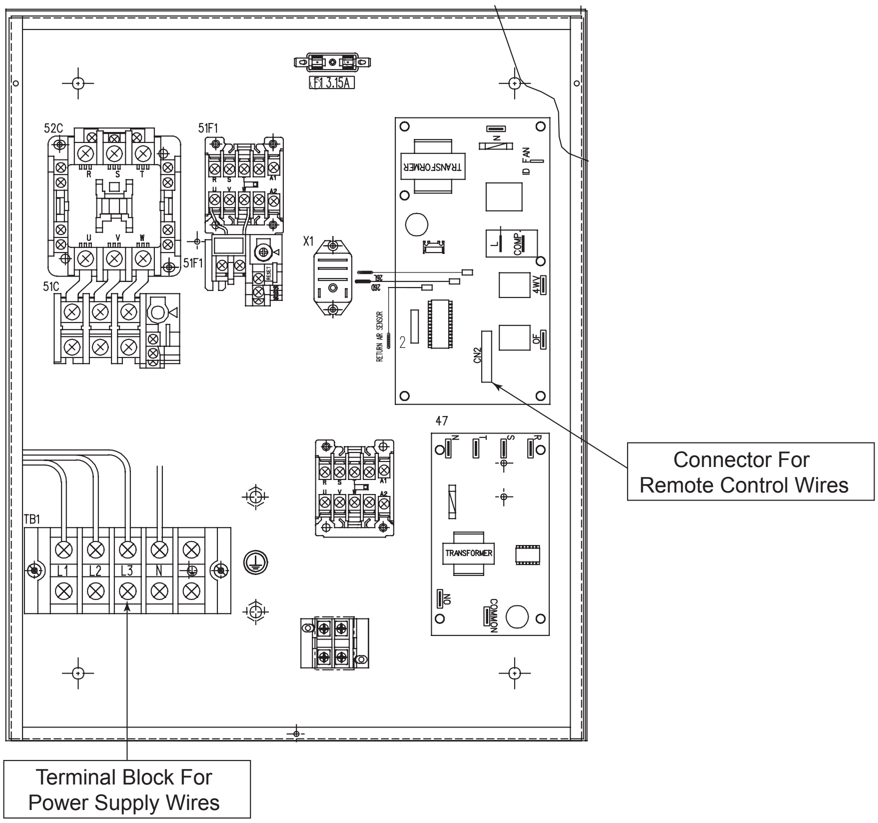
## Control Module Of Unit MRT080/100AR



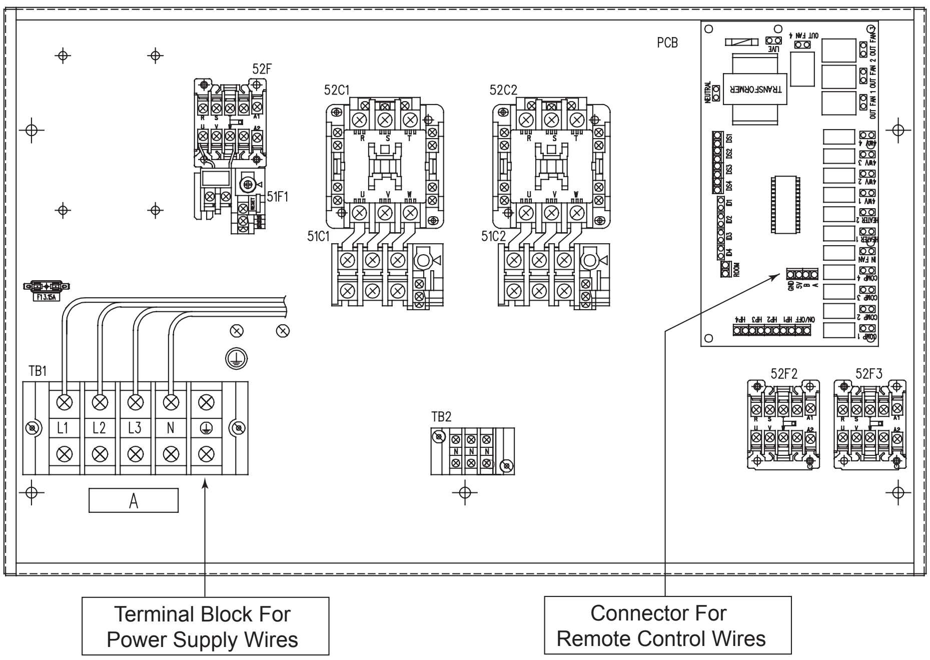

## Control Module Of Unit M4RT080/100AR



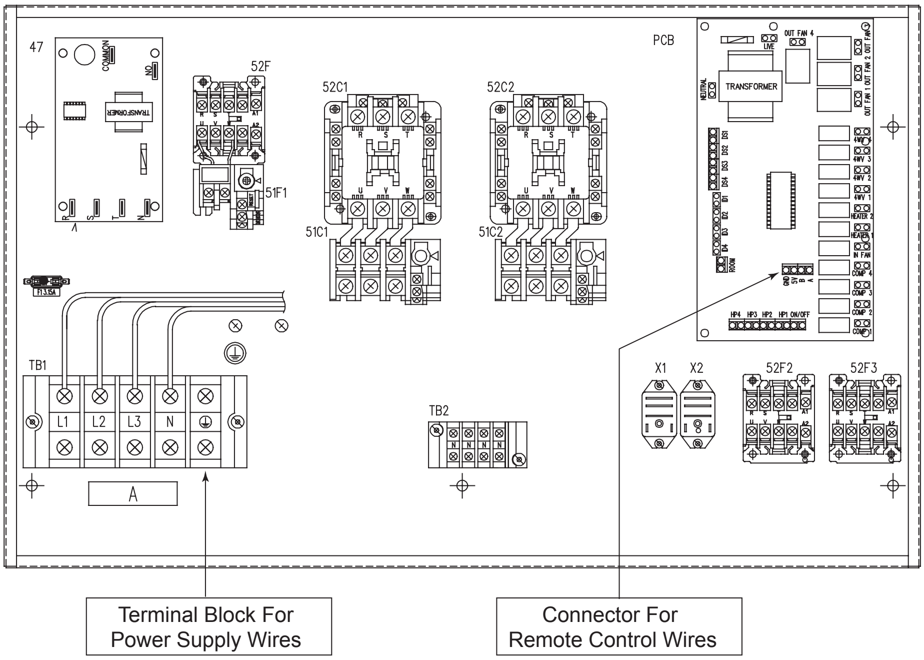
## Control Module Of Unit M(4)RT120AR



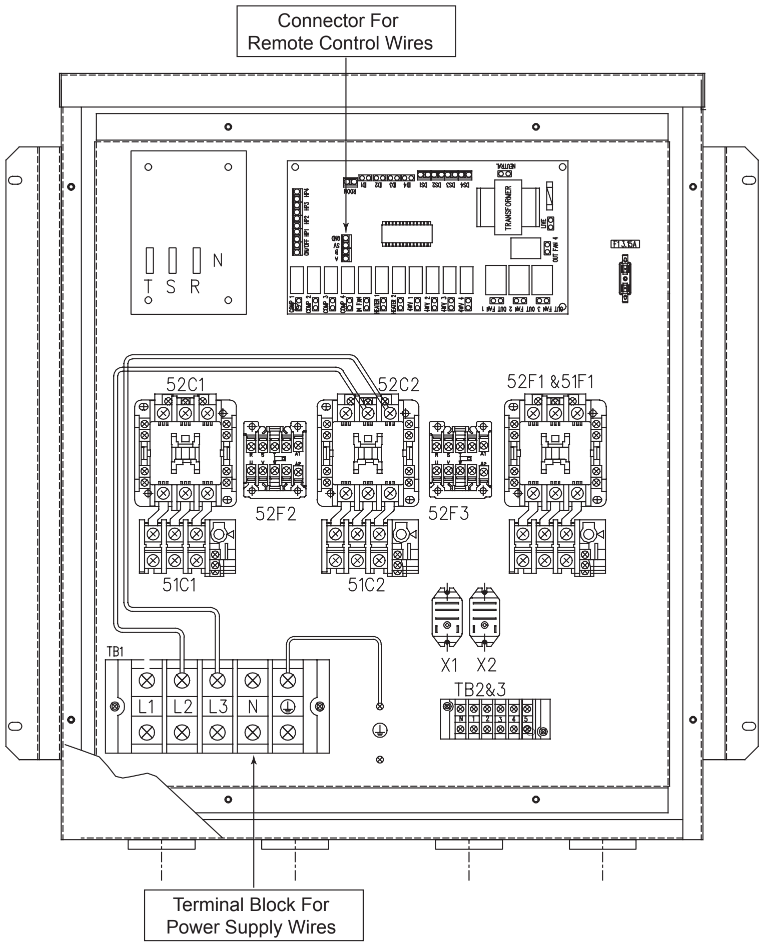

## Control Module Of Unit MRT150/200AR



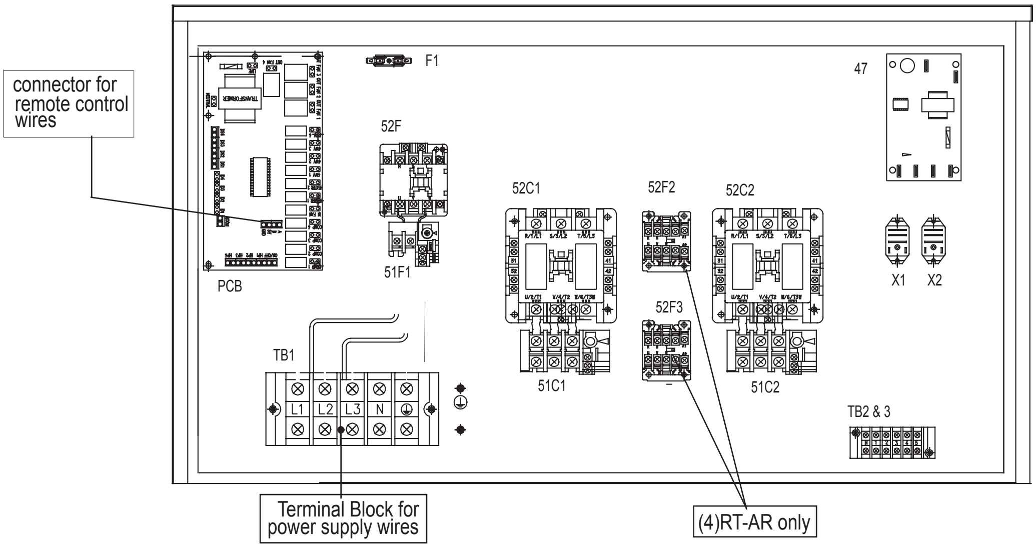
## Control Module Of Unit M4RT150/200AR




## Control Module Of Unit M(4)RT250/300AR



## Control Module Of Unit M(4)RT360/420A/AR



### 9. The Putting Condition Of The Belt

1. Set the parallel angle of the fan and the motor pulley as shown in table 1 and figure 1.
2. Set the tension of one belt when the flexion load is within the range as shown in figure 2 and table 2 at the proper flexion. (A=0.016xC mm)
3. Adjust the suitable tension after the belt sit properly across the pulley (after working for 24-28 hours). When a new belt is used, adjust the suitable tension about 1.3 times the maximum value of the flexion load.
4. Readjust the belt every 2,000 hours after the first adjustment.
   Exchange the belt when the belt's surroundings length has expanded by 2% including the first expansion (about 1%) of the belt (after approximately 8,000 hours converted working time).

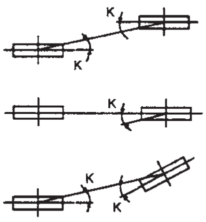


figure 1 Parallel degree of pulley

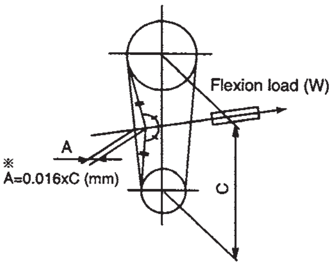


figure 2 Belt tension

Table 1

| pulley \ Parallel angle | K(i) | note |
|---|---|---|
| pulley | 10 or less | Gap of 3mm every 1m |

Table 2

| Size of Pulley Motor | | Flexion load W(kgf) |
|---|---|---|
| mm | inch | |
| 60-80 | 2.5-3.0 | 1.1-1.4 |
| 81-90 | 3.5 | 1.3-1.7 |
| 91-105 | 4 | 1.6-2.0 |
| 106-above | 4.5-above | 1.9-2.9 |

### 10. Before Starting The Trial Run

After having installed the unit, check that :

(1) The unit is fixed securely.
(2) The unit is installed properly.
(3) The drain pipe is provided with a drain trap.
(4) The electrical wiring has been connected correctly and the terminal screws have been properly tightened.
(5) The duct work has been performed correctly.

Before turning the unit on:

(1) Measure the resistance between the terminals of the electrical parts and ground to ensure that the value is at least 1.0M ohm.
If the measured value is below 1.0M ohm, do not operate the unit.
(2) The unit is using a phase protector.
If wiring phase of power supply is mistaken, the unit does not run.
Please reconfirm and modify wiring phase.

After the unit is turned on:

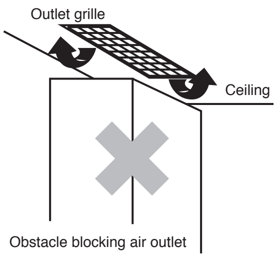
(1) Check that the fans are rotating in the proper direction.
(2) Check to see whether there are refrigerant leakage, and slack in power or transmission cable.
(3) Check the operation of high-pressure switch.
If the two lead wires of the outdoor unit fan motor are disconnected from the contactor and cooling is performed, the high-pressure switch should function and stop the unit after 5 to 10 minutes.
Perform trial operation after completion of above items.

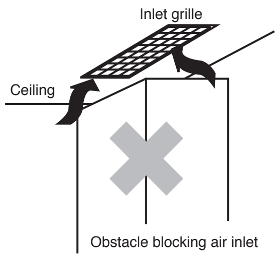
## 11. Before Operating The Unit

### 1. Check points for operation
**Check the following points before you operate your air conditioner.**

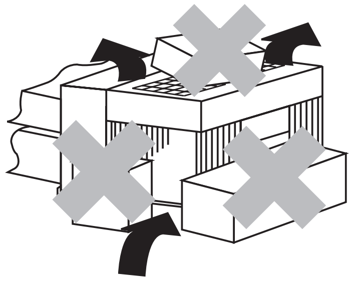
(1) Check that there is nothing blocking the flow of air from the air outlet into the air inlet.

**Indoor Side**

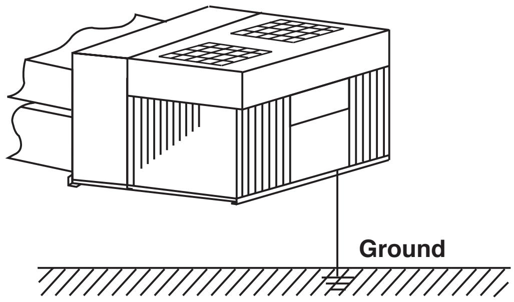



**Outdoor Side**



(2) Make sure the air conditioner is properly grounded by checking the ground terminal.




### 2. Caution for use
Keep the following points in mind to safeguard against failures and breakdowns.

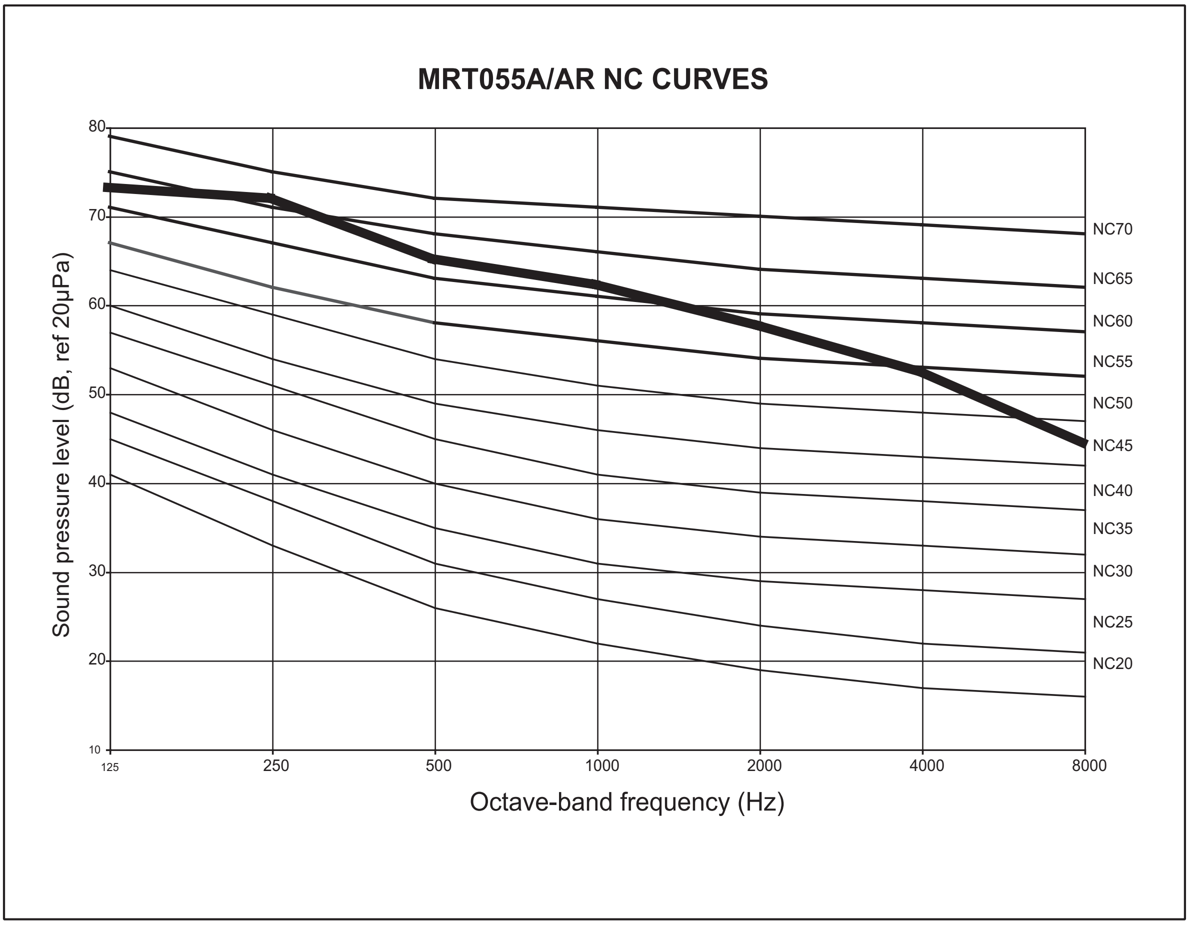
- For safety, confirm that the earth terminal has been connected to the earth wire correctly.
- Never block or cover the unit's intakes or outlets.
  It will reduce the unit's efficiency.
- To start the unit again after it is stopped, ensure 3 minutes has elapsed before turning the unit ON. Repeated stopping and starting within 3 minutes gives improper force to the machine. This can cause the fuse or power source to trip.

# Sound Data

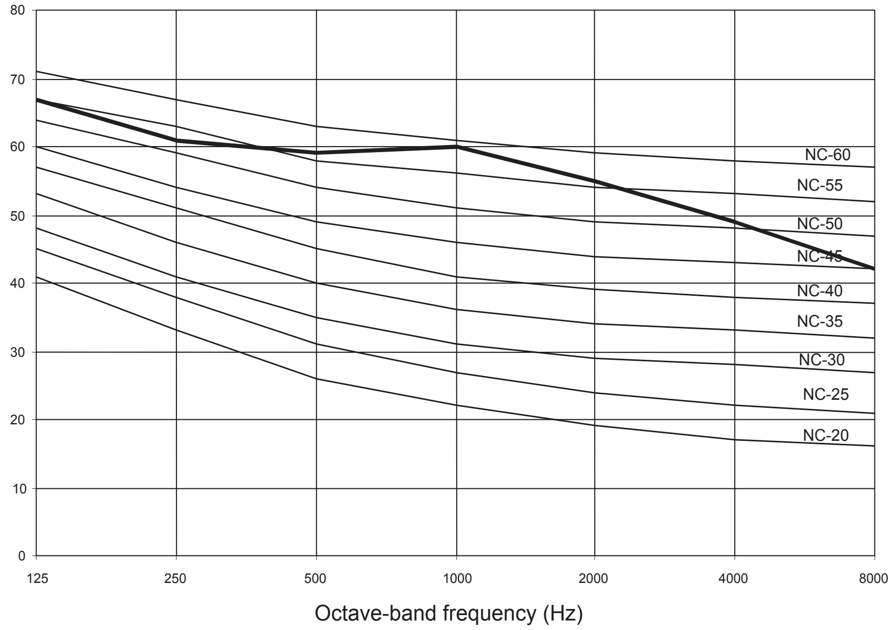
| Model | 1/1 Octave Sound Pressure Level (dB, ref 20 µPa) | | | | | | | Overall | Noise |
|---|---|---|---|---|---|---|---|---|---|
| | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz | (dBA) | Criteria |
| MRT055A/AR | 73 | 72 | 65 | 62 | 58 | 52 | 44 | 68 | 66 |
| M(4)RT060A/AR | 67 | 61 | 59 | 60 | 55 | 49 | 42 | 63 | 59 |
| M(4)RT080A/AR | 68 | 65 | 64 | 62 | 54 | 49 | 39 | 65 | 61 |
| M(4)RT100A/AR | 69 | 67 | 64 | 60 | 56 | 51 | 42 | 66 | 58 |
| M(4)RT120A/AR | 68 | 64 | 62 | 65 | 60 | 53 | 45 | 68 | 64 |
| M(4)RT150A/AR | 74 | 68 | 68 | 67 | 60 | 53 | 44 | 70 | 66 |
| M(4)RT200A/AR | 74 | 69 | 67 | 66 | 60 | 52 | 43 | 70 | 65 |
| M(4)RT250A/AR | 76 | 72 | 70 | 71 | 65 | 55 | 46 | 74 | 70* |
| M(4)RT300A/AR | 77 | 72 | 71 | 72 | 65 | 55 | 46 | 74 | 71* |
| M(4)RT360A/AR | 67 | 74 | 74 | 75 | 76 | 69 | 60 | 80 | > 70* |
| M(4)RT420A/AR | 72 | 76 | 76 | 75 | 75 | 69 | 58 | 80 | > 70* |

* THE DATA DOES NOT APPLY TO INDOOR NOISE CRITERION.

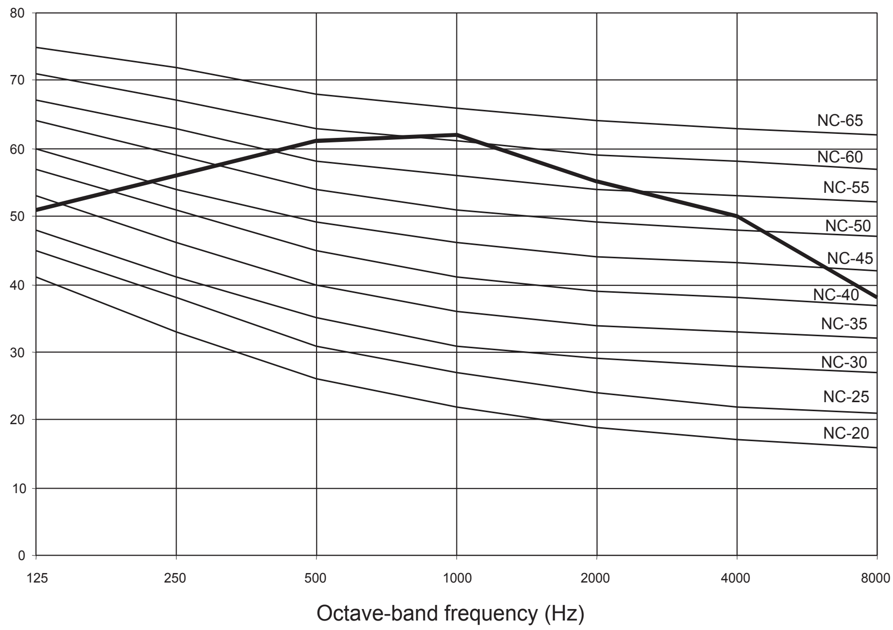
Note:
1. MRT055A/AR, M(4)RT080A/AR, M(4)RT100A/AR, M(4)RT150A/AR and M(4)RT200A/AR
   - Microphone position: 1 m in front of the unit and 1 m above the floor.
2. M(4)RT060A/AR, M(4)RT120A/AR, M(4)RT250A/AR, M(4)RT300A/AR, M(4)RT360A/AR, and M(4)RT420A/AR
   - Microphone position: 1 m from the service panel and 1 m height from the floor level.

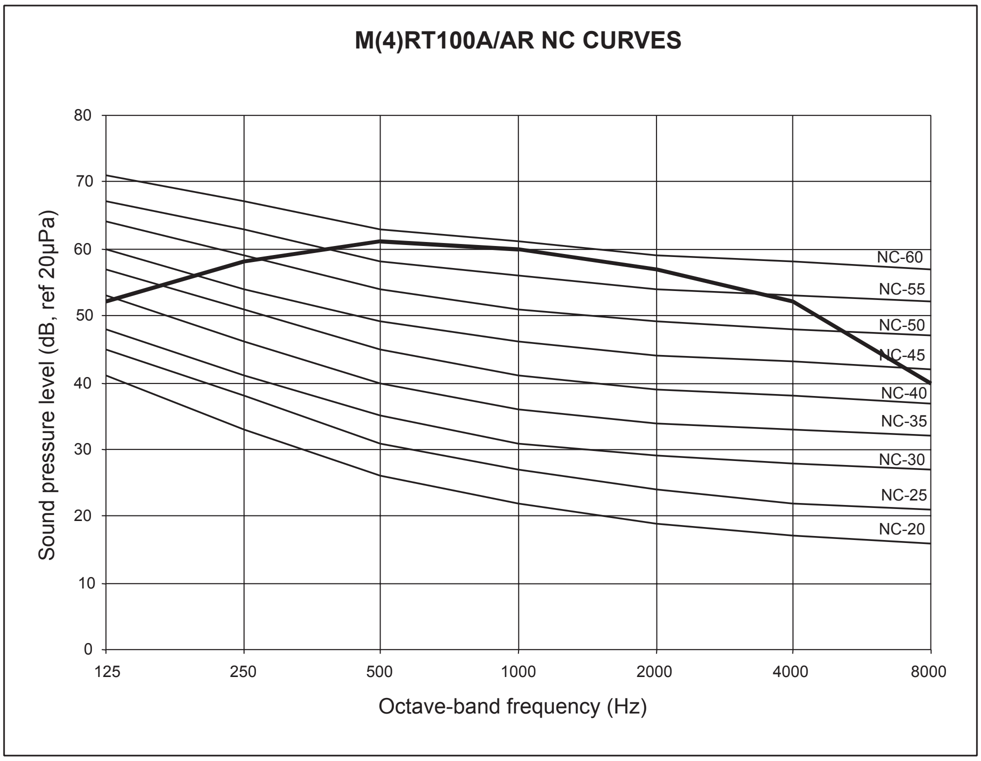


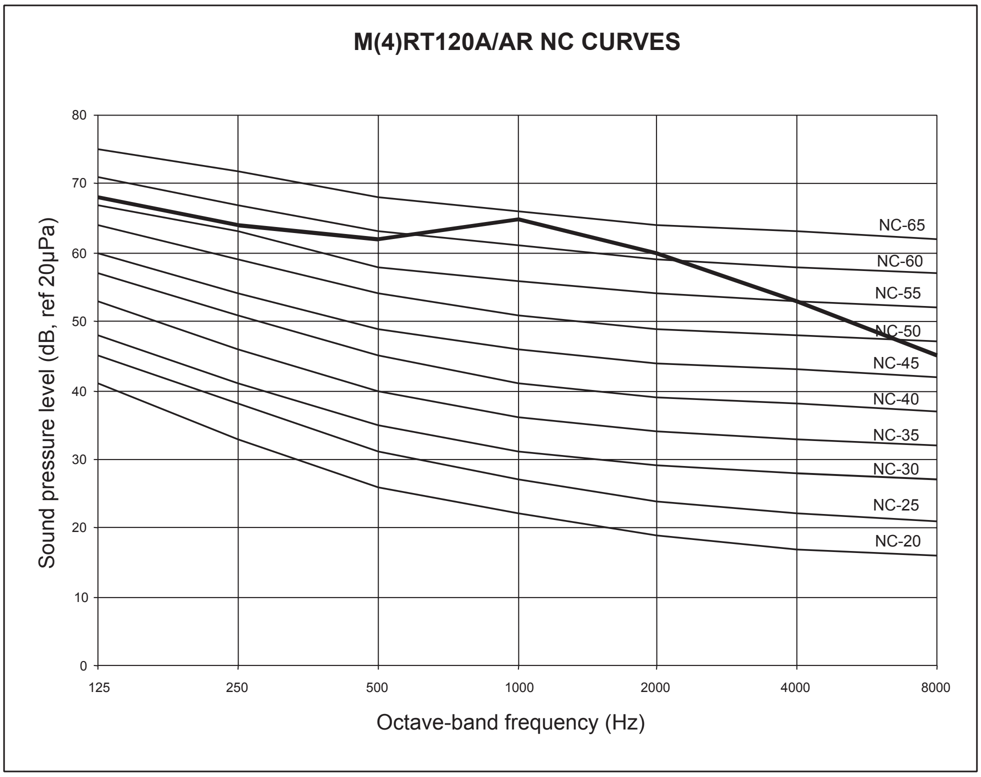
## M(4)RT060A/AR NC CURVES



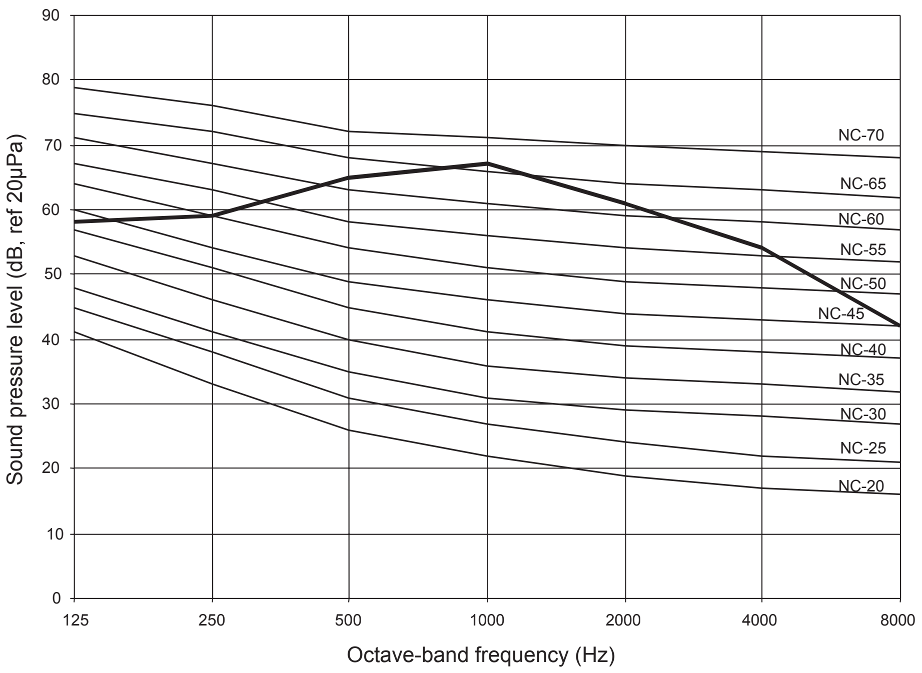

## M(4)RT080A/AR NC CURVES



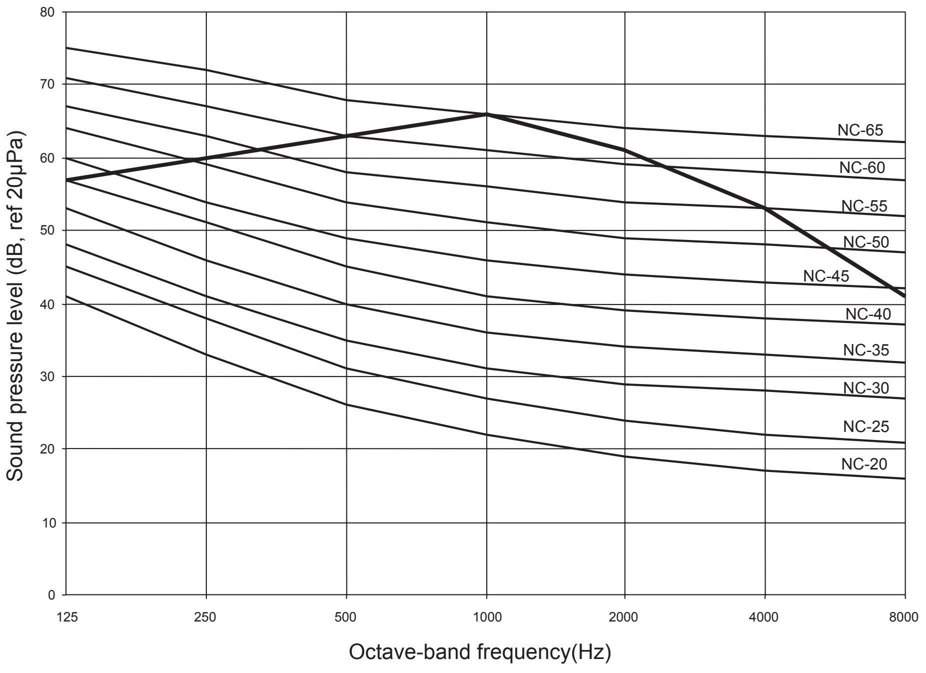

M(4)RT100A/AR NC CURVES
Sound pressure level (dB, ref 20µPa)
Octave-band frequency (Hz)
0
10
20
30
40
50
60
70
80
125
250
500
1000
2000
4000
8000
NC-60
NC-55
NC-50
NC-45
NC-40
NC-35
NC-30
NC-25
NC-20

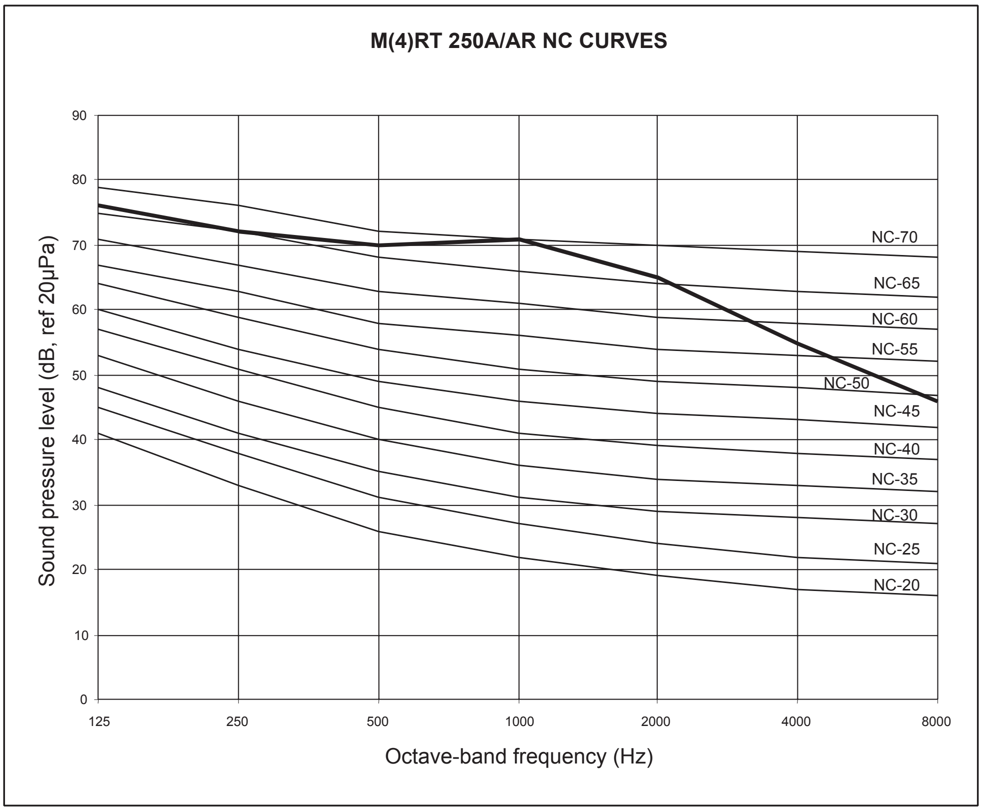

M(4)RT120A/AR NC CURVES
Sound pressure level (dB, ref 20µPa)
Octave-band frequency (Hz)
0
10
20
30
40
50
60
70
80
125
250
500
1000
2000
4000
8000
NC-65
NC-60
NC-55
NC-50
NC-45
NC-40
NC-35
NC-30
NC-25
NC-20

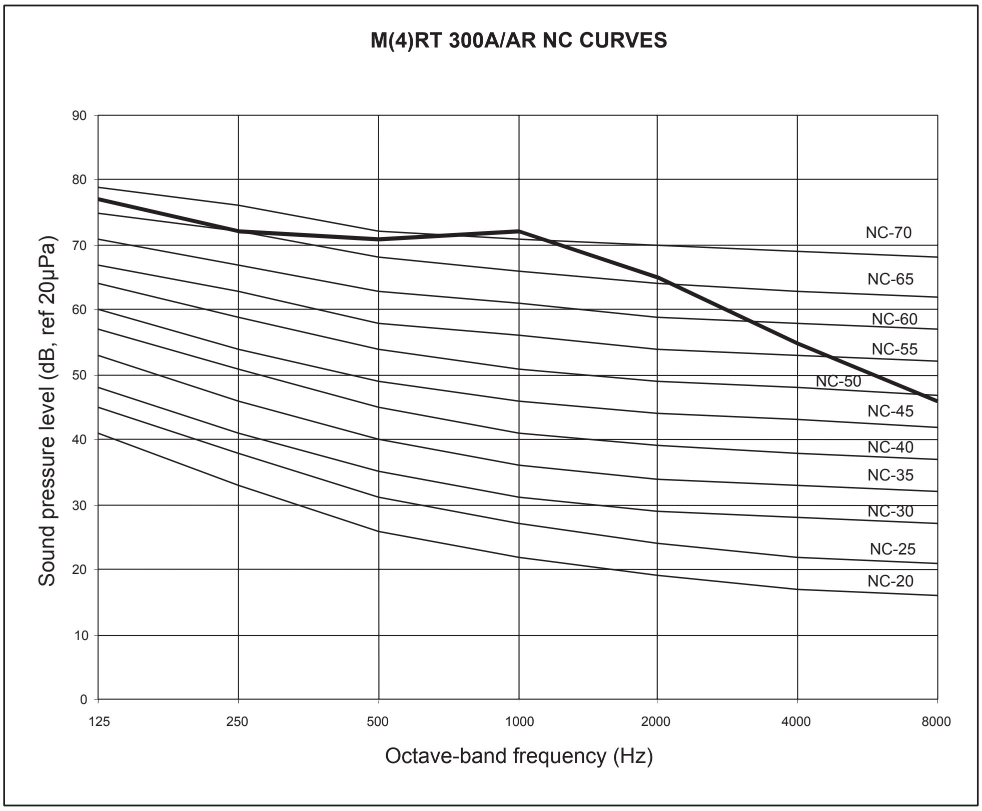
## M(4)RT150A/AR NC CURVES

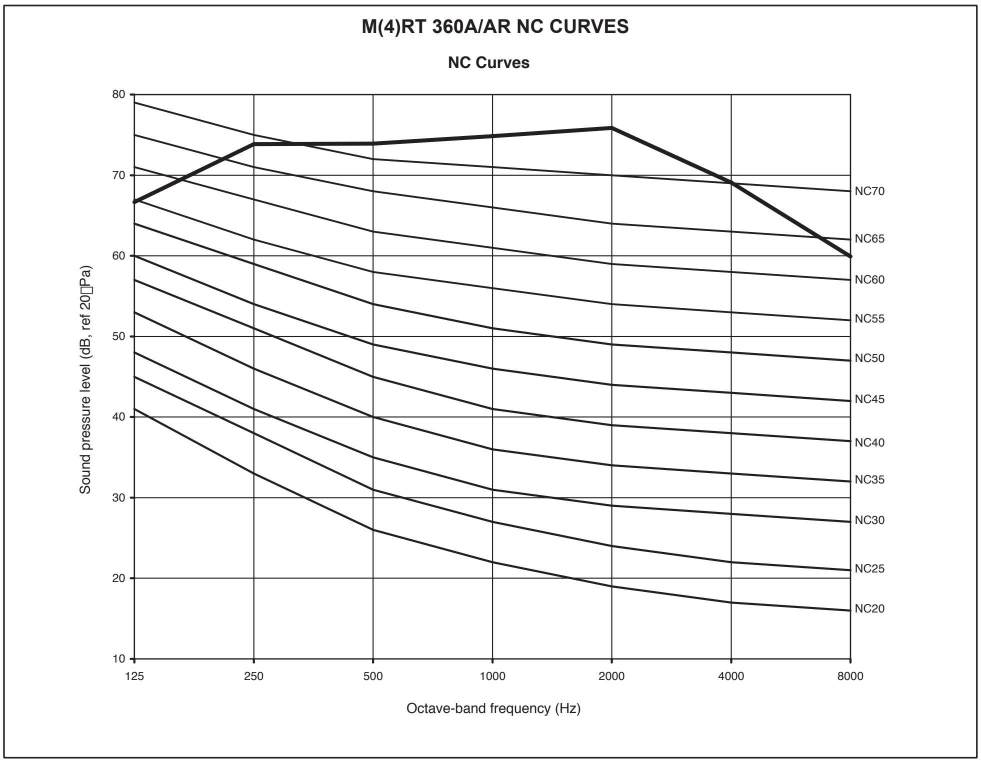


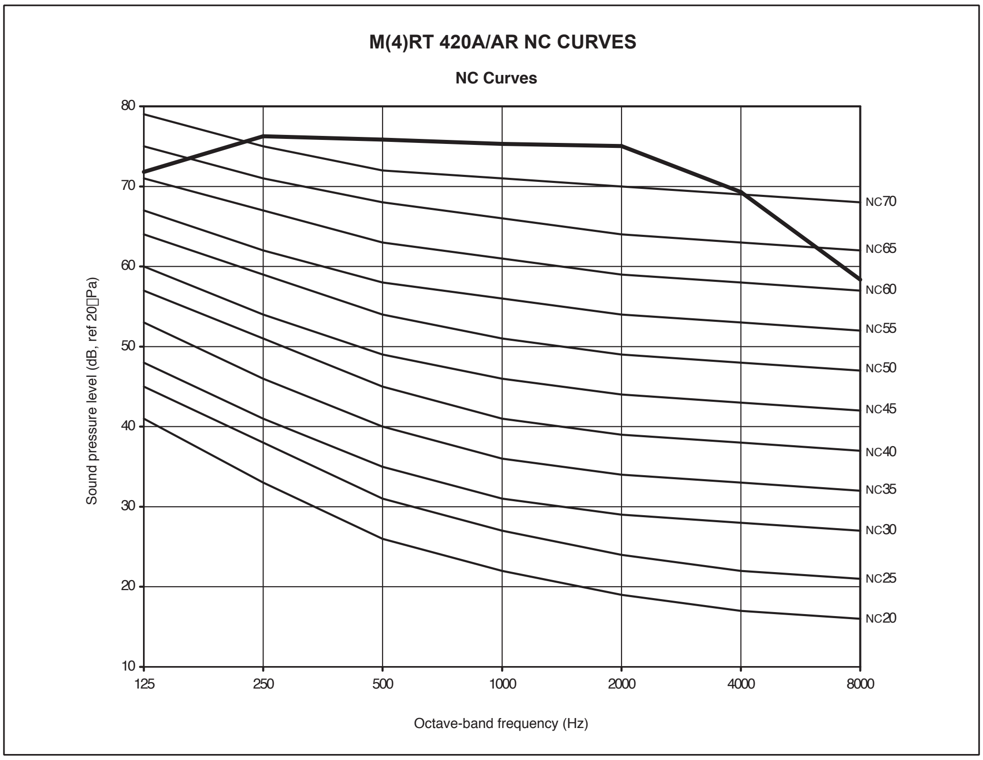

## M(4)RT 200A/AR NC CURVES




M(4)RT 250A/AR NC CURVES
Sound pressure level (dB, ref 20µPa)
Octave-band frequency (Hz)
NC-70
NC-65
NC-60
NC-55
NC-50
NC-45
NC-40
NC-35
NC-30
NC-25
NC-20


M(4)RT 300A/AR NC CURVES
Sound pressure level (dB, ref 20µPa)
Octave-band frequency (Hz)
NC-70
NC-65
NC-60
NC-55
NC-50
NC-45
NC-40
NC-35
NC-30
NC-25
NC-20


M(4)RT 360A/AR NC CURVES
NC Curves
Sound pressure level (dB, ref 20 Pa)
80
70
60
50
40
30
20
10
125
250
500
1000
2000
4000
8000
Octave-band frequency (Hz)
NC70
NC65
NC60
NC55
NC50
NC45
NC40
NC35
NC30
NC25
NC20


M(4)RT 420A/AR NC CURVES
NC Curves
Sound pressure level (dB, ref 20 Pa)
80
70
60
50
40
30
20
10
125
250
500
1000
2000
4000
8000
Octave-band frequency (Hz)
NC70
NC65
NC60
NC55
NC50
NC45
NC40
NC35
NC30
NC25
NC20

# Selection Process

## Drive Package

| | |
|---|---|
| The following are the design requirements for MRT100A unit: | ***Model:*** ***MRT100A***<br>Supply Air Quantity = 3800 CFM<br>External Static Pressure = 150 Pa |
| Step 1: | From the blower curve (at 3800 CFM),<br>Standard operating system;<br>Internal Static Pressure = **160** Pa |
| Step 2: | Therefore at 3800 CFM and 150 Pa external static pressure,<br>Total Static Pressure = 150 + 160 Pa<br>= **310** Pa |
| Step 3: | From the blower curve, the design requirement calls for RPM about 1200 RPM.<br><br>From the table:<br>Motor pulley = 106 mm<br>Blower pulley = 125 mm<br>Motor RPM = 1420<br><br>In order to obtain 1380 RPM, we calculate the new blower pulley as:<br>(while maintaining the motor pulley)<br>Db = 106 x (1420/1380)<br>= 109.1 mm<br><br>Let us take close approximation of 110 mm diameter pulley size<br><br>Recheck, with Db = **110 mm**<br>Blow pulley = 1420 x (106/110)<br>= **1368.4. RPM**<br><br>We thus need to change the blower pulley from 125 mm to 110 mm in order to obtain the higher operating static pressure. |
| Step 3: | When the pulley is changed, the V-belt length must be rechecked. We have for horizontal air throw configuration:<br>V-belt length, L = 2C + 1.57 (Db + Dm)<br>= (2 x 174) + 1.57(110+ 106)<br>= 687.12<br>We thus can use a belt with a length of 687 mm.<br><br>where, C = distance between the centres of the two pulleys<br>Db = diameter of blower pulley<br>Dm = diameter of motor pulley |
| Step 4: | From the blower curve, we can also notice that the motor power input has maintained within the current operating range of the standard unit's motor.<br><br>**Summary:**<br>i) Fan motor kW = **2.2** kW<br>ii) Blower pulley diameter = **110** mm<br>iii) V-belt siz = **687** mm |

Note: Factory supplied rooftop is only with standard drive package.
All other changes are only given as example and need to be field supply.

# DIMENSIONAL DATA

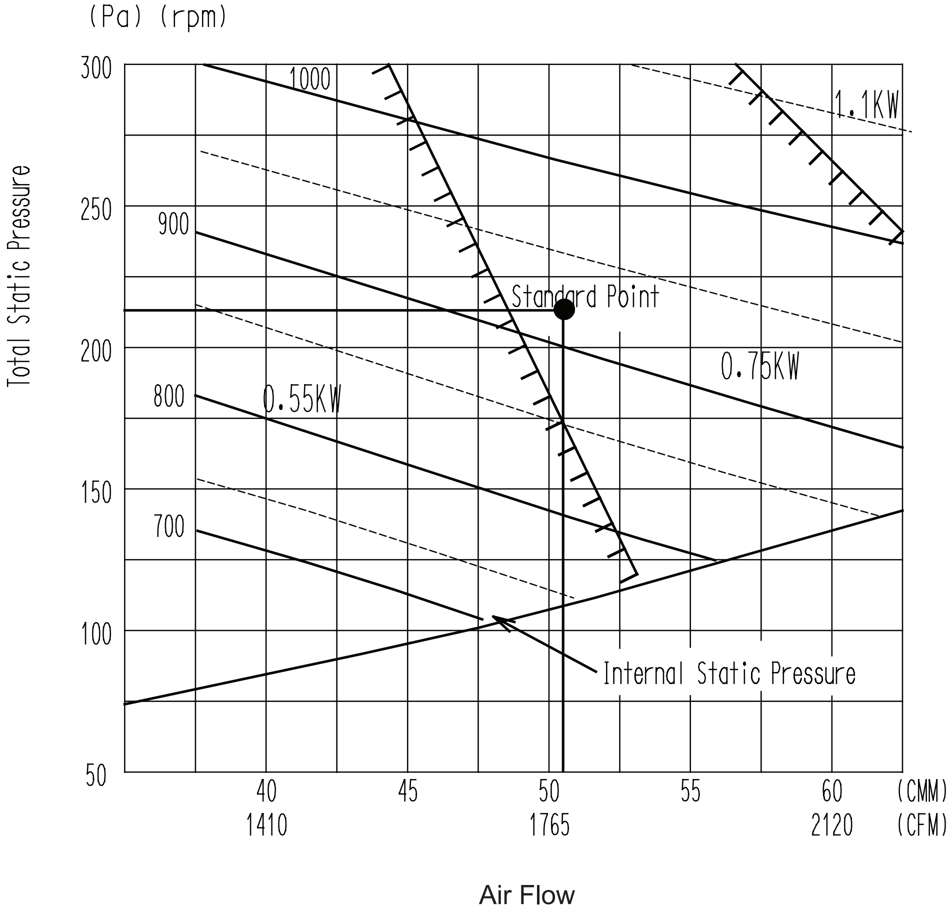
**Below tables summarizes the pulley data, motor size used for the RT series, as manufactured.**

| Model | Blower Pulley, Db | | Motor Pulley, Dm | | V Belt | |
|---|---|---|---|---|---|---|
| | Type | Diameter (mm) | Type | Diameter (mm) | Type | Length (mm) |
| MRT 55A/AR | SPZ 1 | 100 | SPZ 1 | 63 | SPZ | 1000 |
| M(4)RT 60A/AR | SPZ 1 | 125 | SPZ 1 | 95 | SPZ | 750 |
| M(4)RT 80A/AR | SPZ 1 | 140 | SPZ 1 | 100 | SPZ | 737 |
| M(4)RT 100A/AR | SPZ 1 | 125 | SPZ 1 | 106 | SPZ | 710 |
| M(4)RT 120A/AR | SPZ 1 | 125 | SPZ 1 | 106 | SPZ | 710 |
| M(4)RT 150A/AR | SPA 2 | 160 | SPA 2 | 90 | SPA | 782 |
| M(4)RT 200A/AR | SPA 2 | 170 | SPA 2 | 100 | SPA | 757 |
| M(4)RT 250A/AR | SPZ 2 | 224 | SPZ 2 | 125 | SPZ | 1662 |
| M(4)RT 300A/AR | SPZ 2 | 224 | SPZ 2 | 140 | SPZ | 1700 |
| M(4)RT 360A/AR | SPA | 280 | VPT | 124 | SPA | 2132 |
| M(4)RT 420A/AR | SPA | 250 | VPT | 118 | SPA | 2060 |

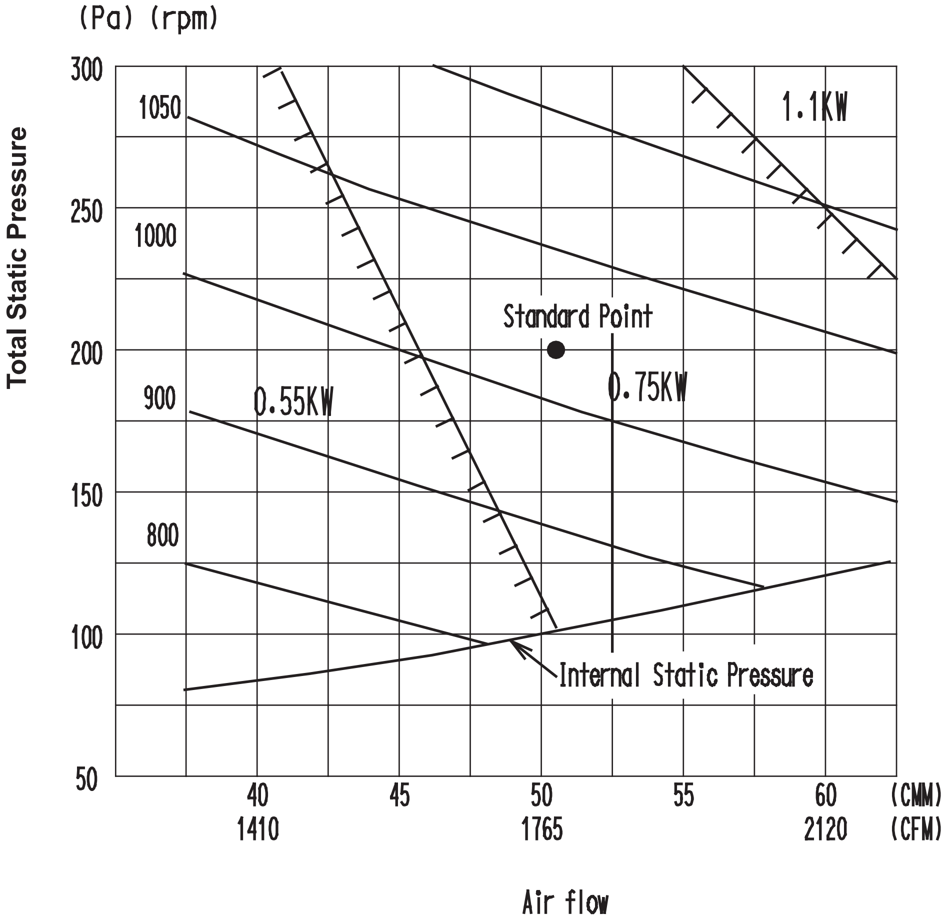
| Model | Pulley Center Distance, C (mm) | | | Motor | |
|---|---|---|---|---|---|
| | Nom | Min | Max | kw | RPM |
| MRT 55A/AR | 850 | 920 | 1015 | 0.75 | 1420 |
| M(4)RT 60A/AR | 203 | 203 | 245 | 0.75 | 1420 |
| M(4)RT 80A/AR | 180 | 175 | 190 | 1.1 | 1420 |
| M(4)RT 100A/AR | 174 | 170 | 185 | 1.5 | 1420 |
| M(4)RT 120A/AR | 174 | 170 | 185 | 1.5 | 1420 |
| M(4)RT 150A/AR | 195 | 190 | 205 | 2.2 | 1430 |
| M(4)RT 200A/AR | 167 | 165 | 180 | 3.7 | 1430 |
| M(4)RT 250A/AR | 558 | 558 | 572 | 5.5 | 1440 |
| M(4)RT 300A/AR | 565 | 558 | 572 | 7.5 | 1440 |
| M(4)RT 360A/AR | 748 | 730 | 763 | 7.5 | 1440 |
| M(4)RT 420A/AR | 739 | 730 | 763 | 7.5 | 1440 |

## Blower Curve

### MRT055A/AR

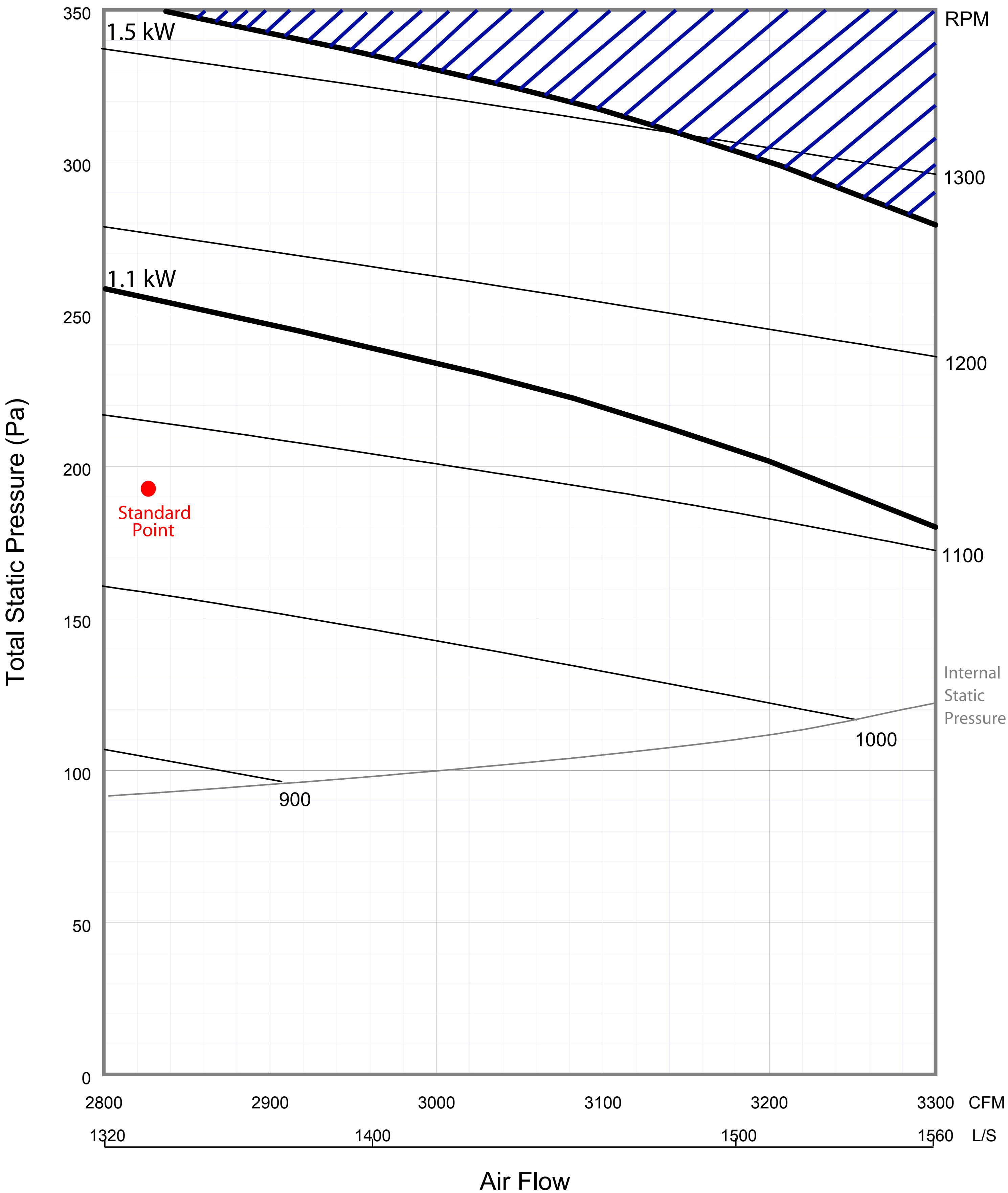


**M(4)RT060A/AR**



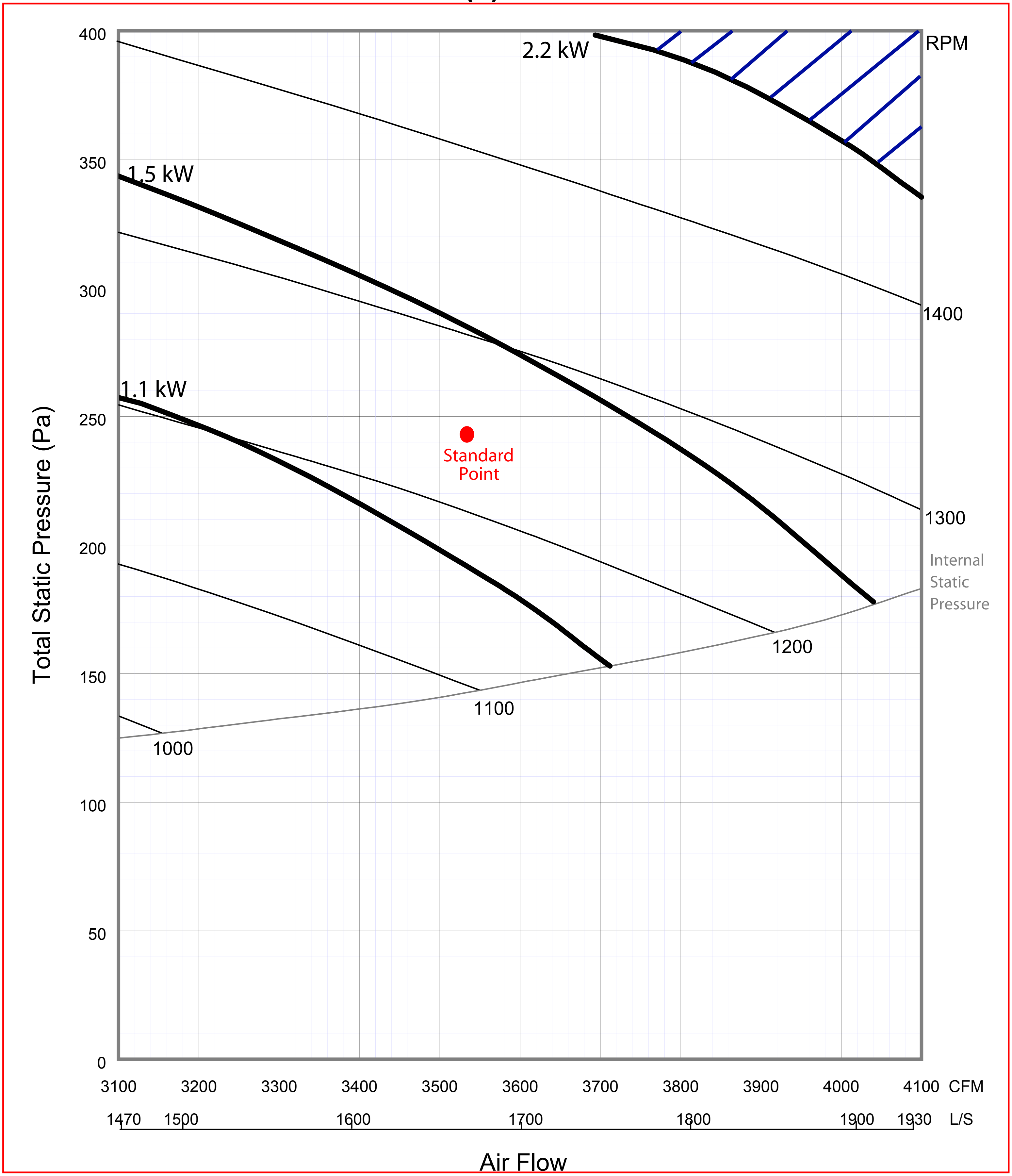
(Pa) (rpm)
300
1050
250
1000
200
900
150
800
100
50
Total Static Pressure
0.55KW
Standard Point
0.75KW
1.1KW
Internal Static Pressure
40
45
50
55
60
(CMM)
1410
1765
2120
(CFM)
Air flow

# M(4)RT080A/AR

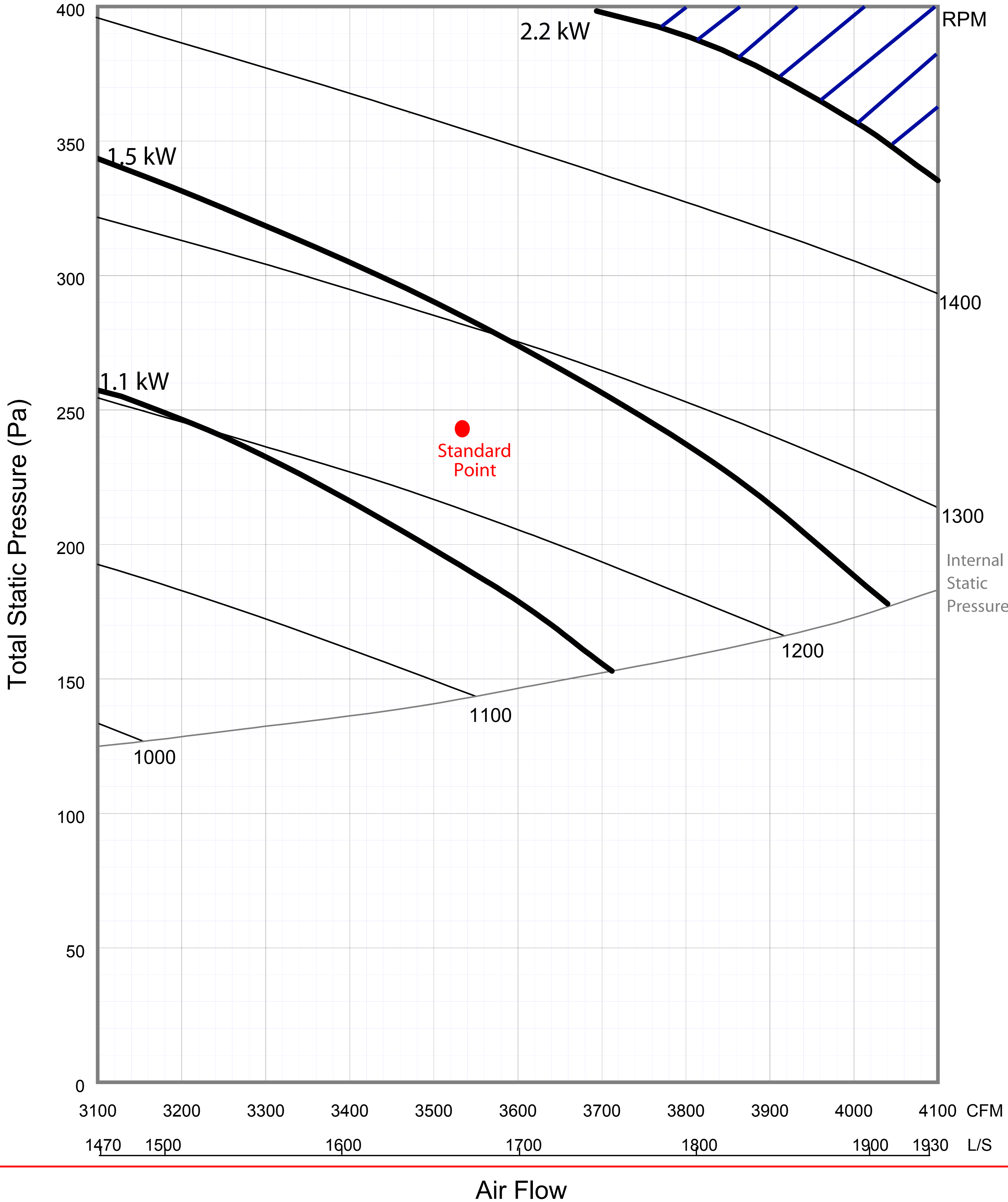


350
300
250
200
150
100
50
0
Total Static Pressure (Pa)
1.5 kW
1.1 kW
RPM
1300
1200
1100
1000
900
Standard Point
Internal Static Pressure
2800
2900
3000
3100
3200
3300
CFM
1320
1400
1500
1560
L/S
Air Flow

# M(4)RT100A/AR

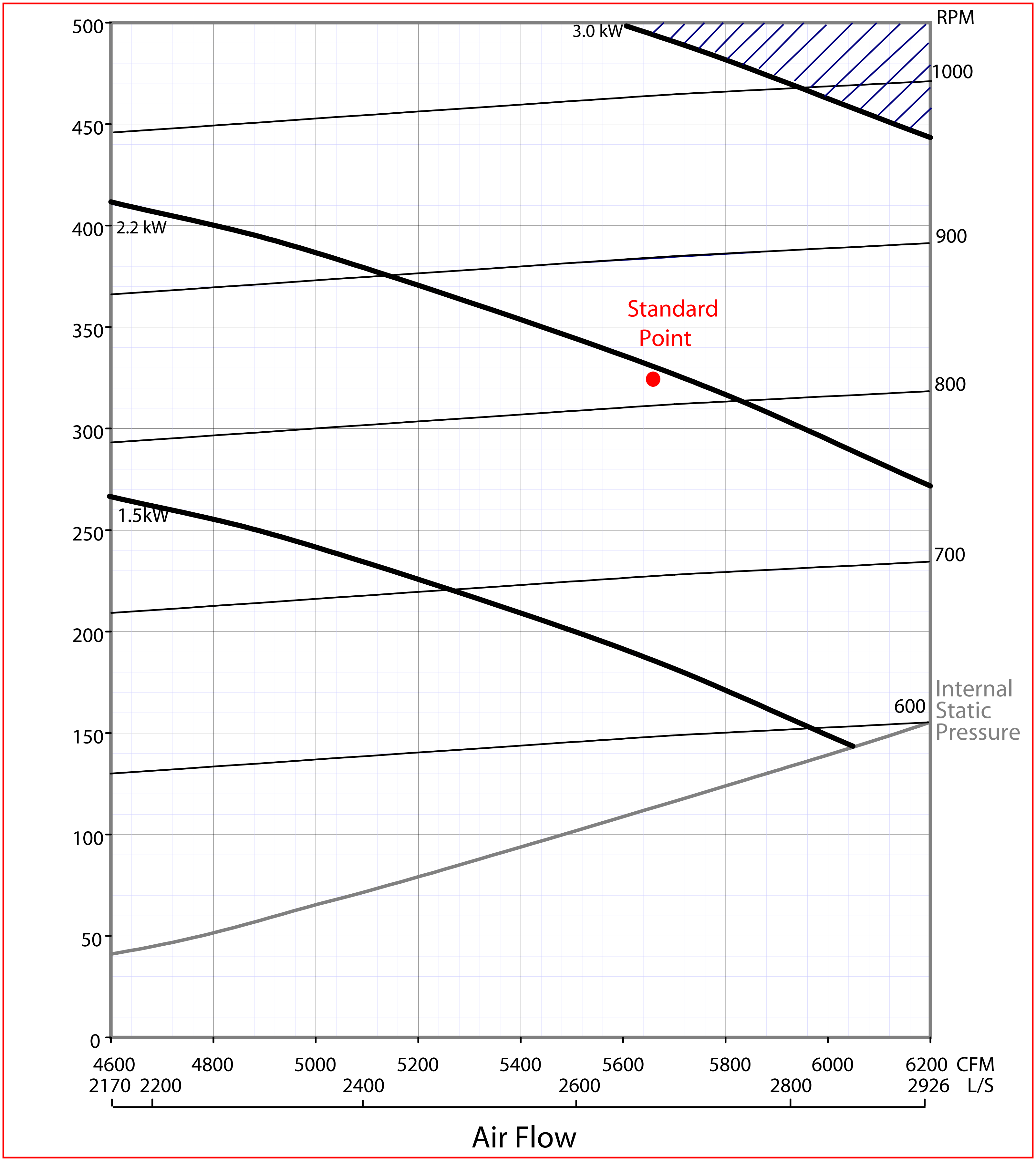

2.2 kW
RPM
1.5 kW
1400
1.1 kW
Standard Point
1300
Internal Static Pressure
1200
1100
1000
Total Static Pressure (Pa)
400
350
300
250
200
150
100
50
0
3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 CFM
1470 1500 1600 1700 1800 1900 1930 L/S
Air Flow

# M(4)RT120A/AR



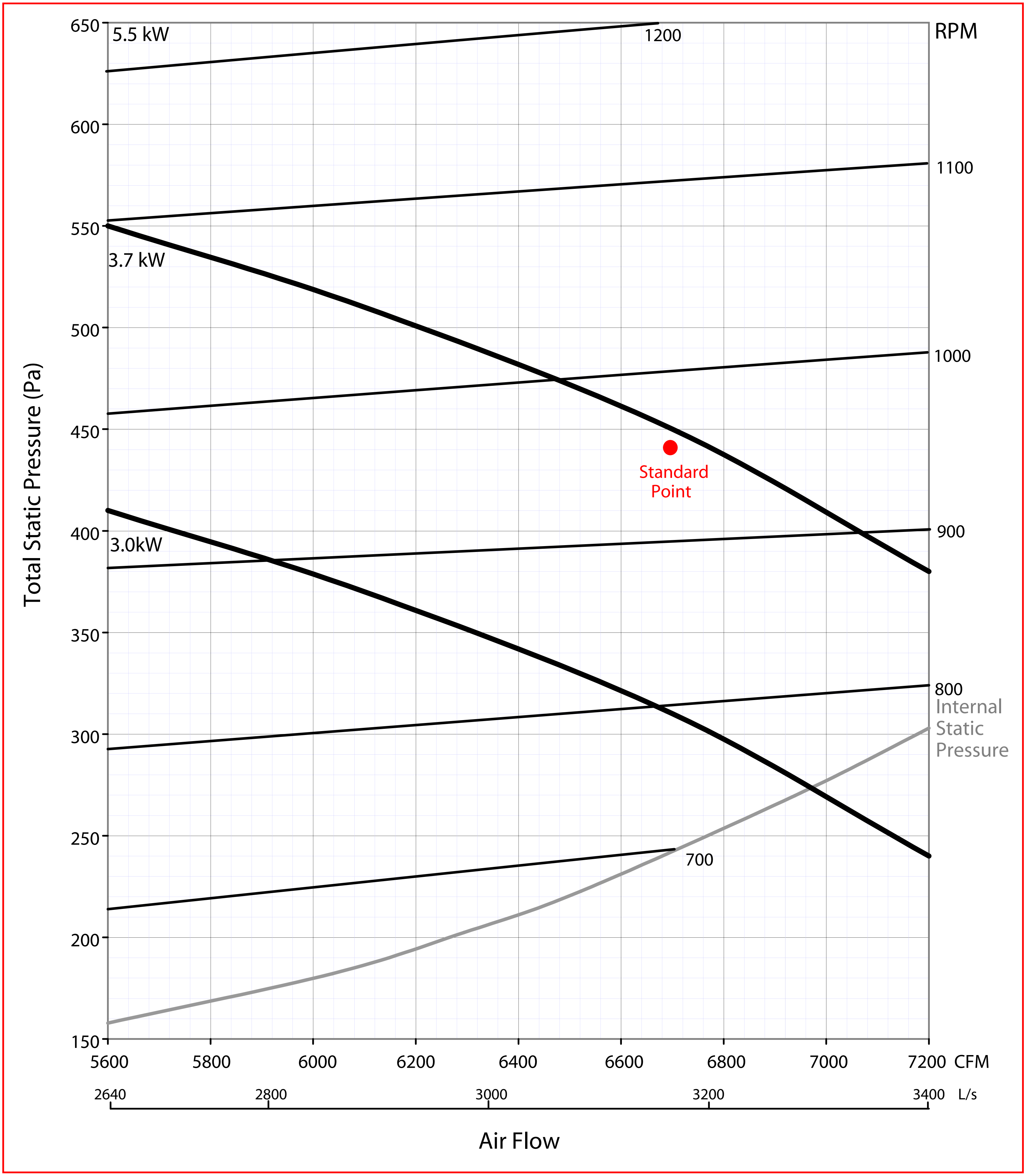
400
350
300
250
200
150
100
50
0
Total Static Pressure (Pa)
2.2 kW
RPM
1.5 kW
1400
1.1 kW
Standard Point
1300
Internal Static Pressure
1200
1100
1000
3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 CFM
1470 1500 1600 1700 1800 1900 1930 L/S
Air Flow

# M(4)RT150A/AR



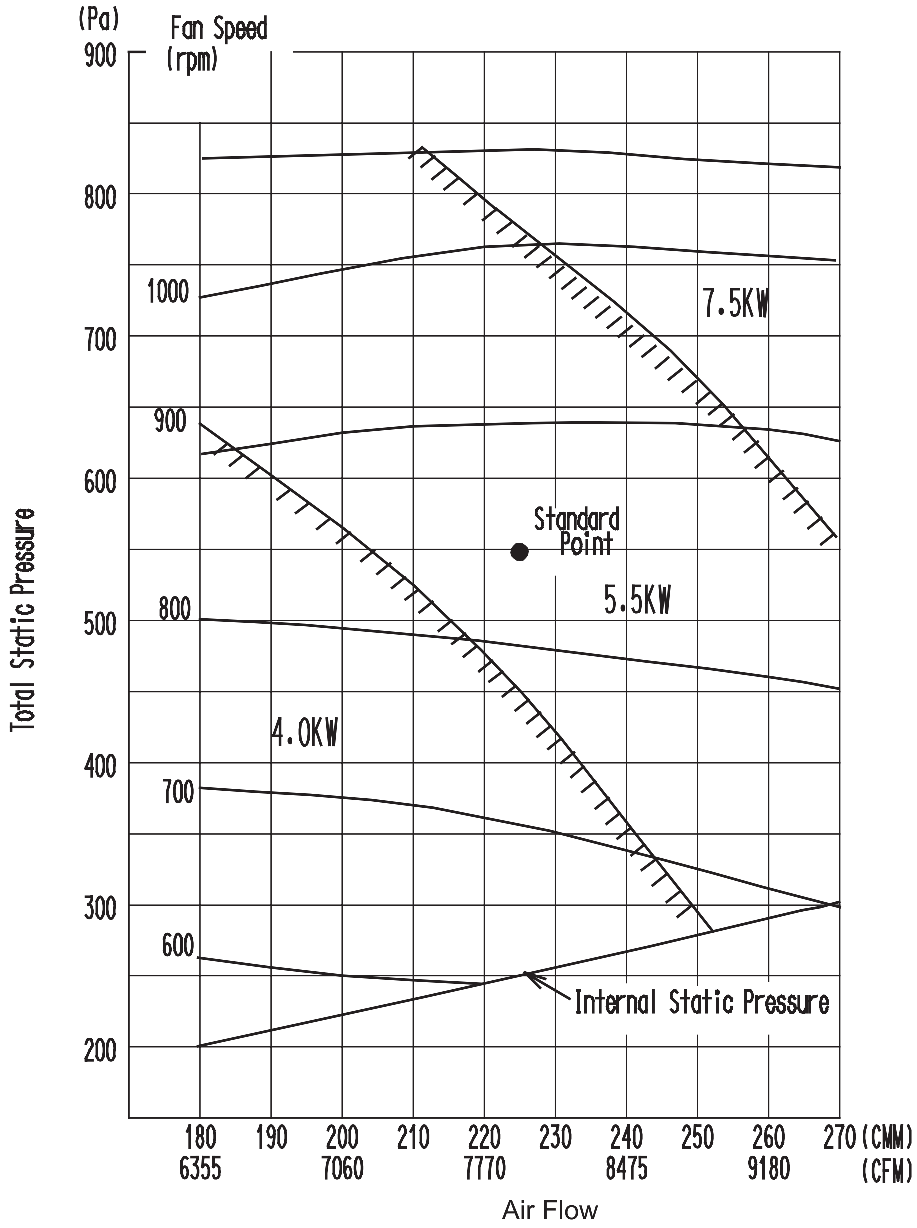
RPM
3.0 kW
2.2 kW
1.5kW
1000
900
800
700
600
Standard Point
Internal Static Pressure
500
450
400
350
300
250
200
150
100
50
0
4600 4800 5000 5200 5400 5600 5800 6000 6200 CFM
2170 2200 2400 2600 2800 2926 L/S
Air Flow

# M(4)RT200A/AR

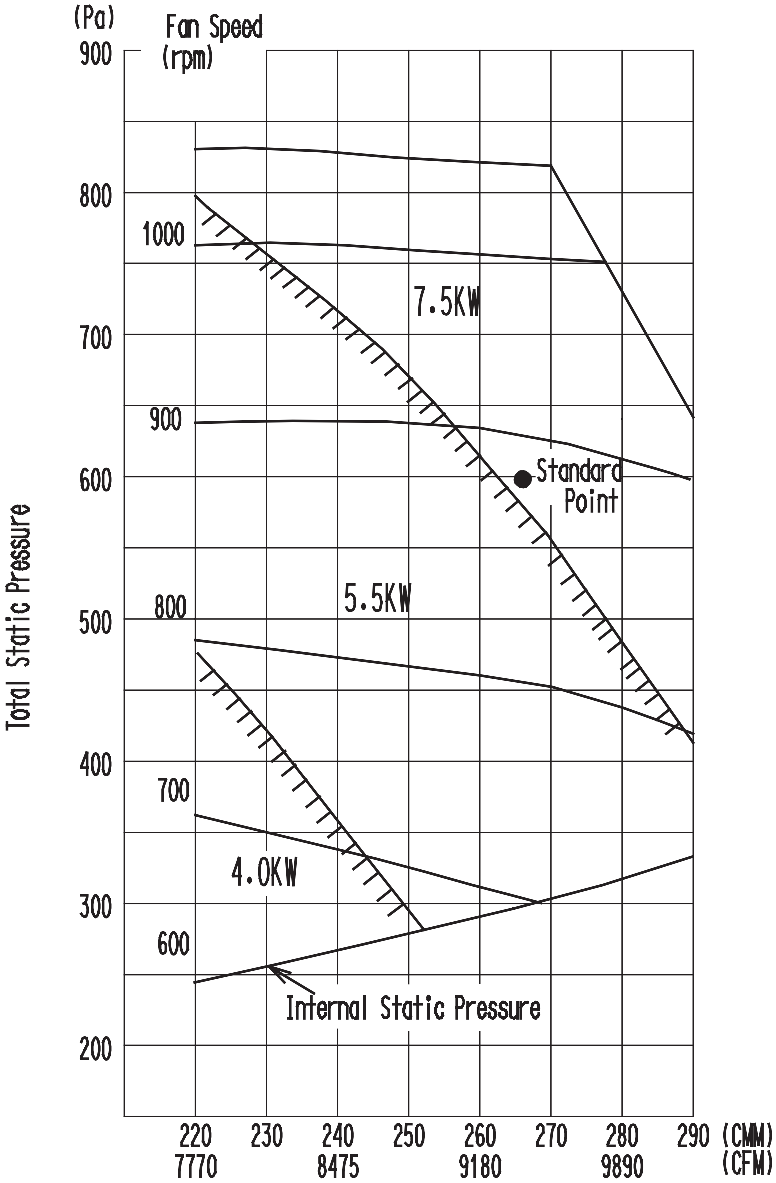


Total Static Pressure (Pa)
650
600
550
500
450
400
350
300
250
200
150
5.5 kW
3.7 kW
3.0kW
RPM
1200
1100
1000
900
800
700
Internal
Static
Pressure
Standard
Point
5600
5800
6000
6200
6400
6600
6800
7000
7200
CFM
2640
2800
3000
3200
3400
L/s
Air Flow

**M(4)RT250A/AR**

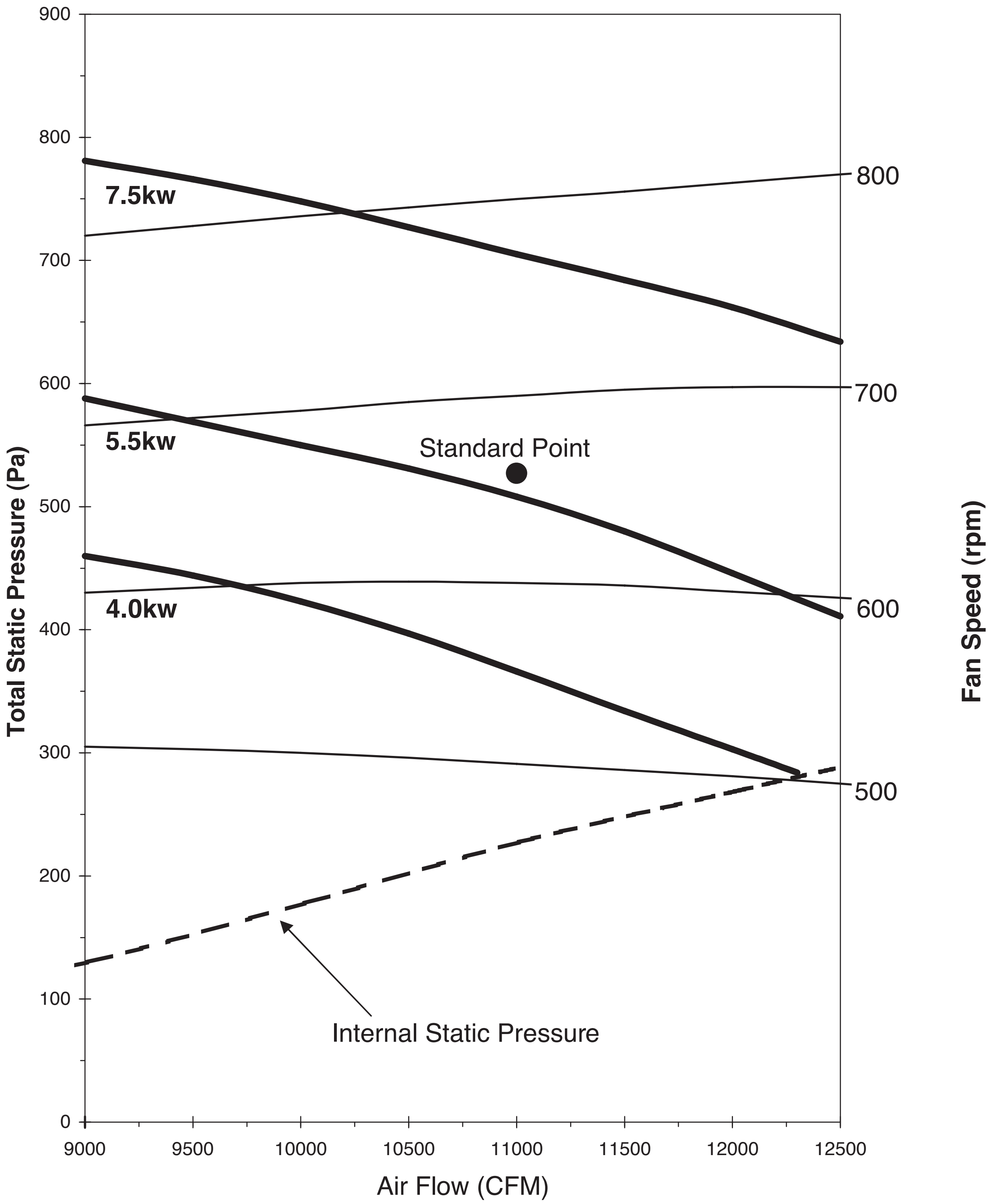

(Pa)
Fan Speed
(rpm)
900
800
700
600
500
400
300
200
1000
900
800
700
600
7.5KW
5.5KW
4.0KW
Standard Point
Internal Static Pressure
Total Static Pressure
180 190 200 210 220 230 240 250 260 270 (CMM)
6355 7060 7770 8475 9180 (CFM)
Air Flow

**M(4)RT300A/AR**



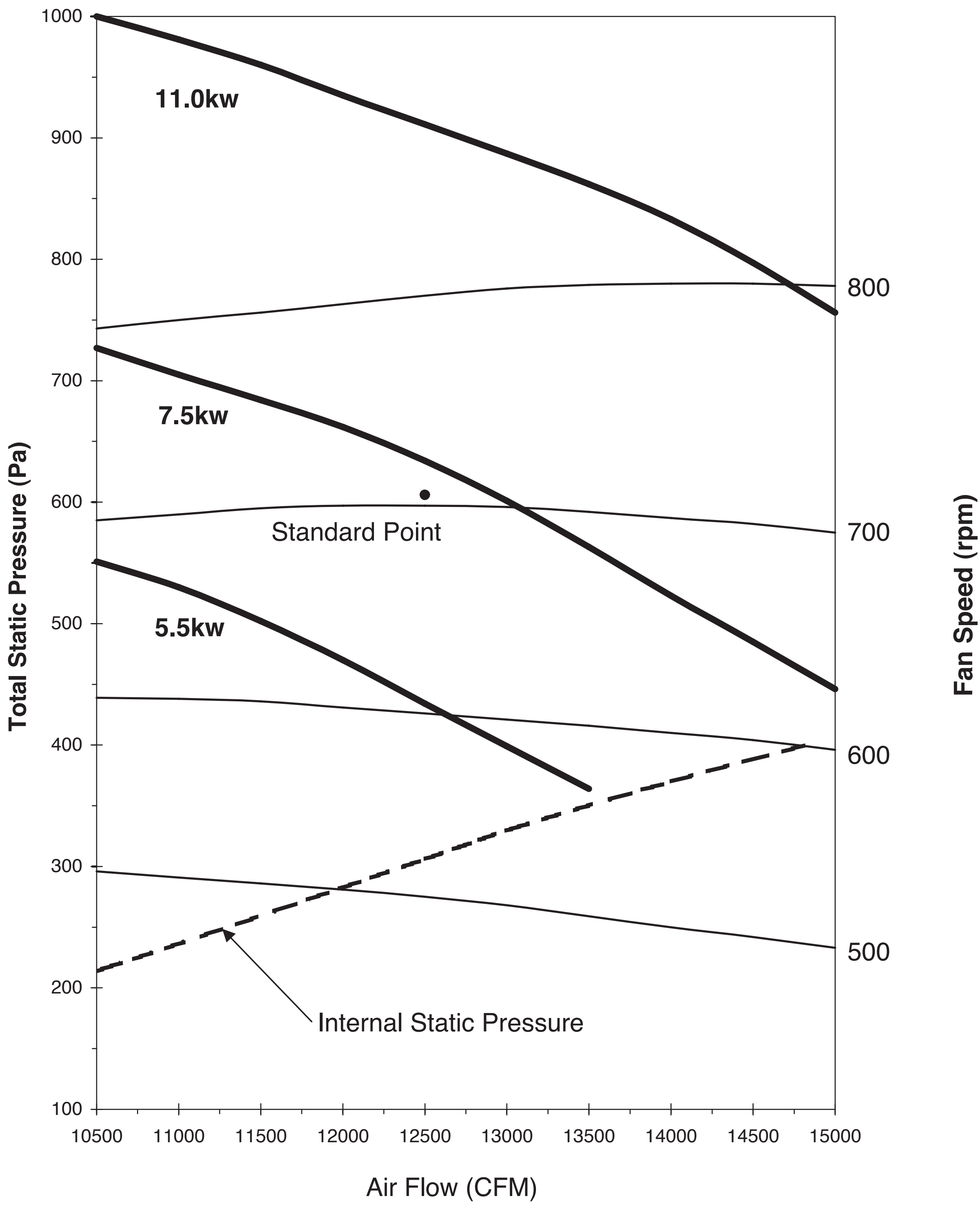

Air Flow

M(4)RT360A/AR



900
800
700
600
500
400
300
200
100
0
Total Static Pressure (Pa)
7.5kw
5.5kw
4.0kw
Standard Point
Internal Static Pressure
800
700
600
500
Fan Speed (rpm)
9000
9500
10000
10500
11000
11500
12000
12500
Air Flow (CFM)

M(4)RT420A/AR



1000
900
800
700
600
500
400
300
200
100
11.0kw
7.5kw
5.5kw
Standard Point
Internal Static Pressure
Total Static Pressure (Pa)
800
700
600
500
Fan Speed (rpm)
10500
11000
11500
12000
12500
13000
13500
14000
14500
15000
Air Flow (CFM)

# Engineering & Physical Data

## Specifications

### General Data - Cooling Only (R22)

| MODEL | | | | MRT055A |
|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 54000 |
| | | | W | 15830 |
| NOMINAL TOTAL INPUT POWER | | | W | 6380 |
| NOMINAL RUNNING CURRENT | | | A | 11.0 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 |
| REFRIGERANT TYPE / CONTROL | | | | R22 / TXV |
| EER | | | W/W | 2.48 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED |
| | | OPERATION | | SLM CONTROLLER |
| | AIR FLOW | | l/s / cfm | 850 / 1800 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 |
| | CONDENSATE DRAIN SIZE | | mm/in | 19 / 0.75 |
| CONDENSER | AIR FLOW | | l/s / cfm | 2124 / 4500 |
| | SOUND PRESSURE LEVEL | | dBA | 68 |
| | UNIT DIMENSION | HEIGHT | mm/in | 916 / 36 |
| | | WIDTH | mm/in | 1090 / 43 |
| | | DEPTH | mm/in | 1386 / 55 |
| | PACKING DIMENSION | HEIGHT | mm/in | 1045 / 41.1 |
| | | WIDTH | mm/in | 1110 / 43.7 |
| | | DEPTH | mm/in | 1430 / 56.3 |
| | UNIT WEIGHT | | kg/lb | 220 / 484 |
| | REFRIGERANT CHARGE | | kg/lb | 3.5 / 7.7 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: SO 13253.*

### General Data - Cooling Only (R22)

| MODEL | | | | MRT060A | MRT080A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 59000 | 80000 |
| | | | W | 17290 | 23450 |
| NOMINAL TOTAL INPUT POWER | | | W | 5610 | 8100 |
| NOMINAL RUNNING CURRENT | | | A | 10.4 | 15.4 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / TXV | R22 / CAPILLARY TUBE |
| EER | | | W/W | 3.08 | 2.43 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SLM CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 850 / 1800 | 1334 / 2826 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 2124 / 4500 | 2667 / 5650 |
| | SOUND PRESSURE LEVEL | | dBA | 63 | 65 |
| | UNIT DIMENSION | HEIGHT | mm/in | 1000 / 39.4 | |
| | | WIDTH | mm/in | 1100 / 43.3 | 1300 / 51.2 |
| | | DEPTH | mm/in | 1530 / 60.2 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1090 / 42.9 | |
| | | WIDTH | mm/in | 1250 / 49.2 | 1450 / 57.1 |
| | | DEPTH | mm/in | 1680 / 66.1 | |
| | UNIT WEIGHT | | kg/lb | 295 / 650 | 370 / 816 |
| | REFRIGERANT CHARGE | | kg/lb | 5.2 / 11.5 | 4.0 / 8.8 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Cooling Only (R22)

| MODEL | | | | MRT100A | MRT120A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 100000 | 116000 |
| | | | W | 29300 | 34000 |
| NOMINAL TOTAL INPUT POWER | | | W | 10500 | 11560 |
| NOMINAL RUNNING CURRENT | | | A | 18.2 | 22.1 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / CAPILLARY TUBE | R22 / TXV |
| EER | | | W/W | 2.94 | 2.94 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SLM CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 1667 / 3532 | 1699 / 3600 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 2667 / 5650 | 3776 / 8000 |
| | SOUND PRESSURE LEVEL | | dBA | 66 | 68 |
| | UNIT DIMENSION | HEIGHT | mm/in | 1000 / 39.4 | |
| | | WIDTH | mm/in | 1300 / 51.2 | |
| | | DEPTH | mm/in | 1530 / 60.2 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1090 / 42.9 | |
| | | WIDTH | mm/in | 1450 / 57.1 | |
| | | DEPTH | mm/in | 1680 / 66.1 | |
| | UNIT WEIGHT | | kg/lb | 400 / 882 | 425 / 937 |
| | REFRIGERANT CHARGE | | kg/lb | 5.9 / 13 | 6.2 / 13.7 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Cooling Only (R22)

| MODEL | | | | MRT150A | MRT200A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 150000 | 200000 |
| | | | W | 44000 | 58600 |
| NOMINAL TOTAL INPUT POWER | | | W | 15600 | 20700 |
| NOMINAL RUNNING CURRENT | | | A | 29.0 | 35.7 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / CAPILLARY TUBE | |
| EER | | | W/W | 2.51 | 2.58 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 2667 / 5651 | 3167 / 6710 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 196 / 0.79 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 5333 / 11300 | |
| | SOUND PRESSURE LEVEL | | dBA | 70 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1200 / 47.2 | |
| | | WIDTH | mm/in | 1990 / 78.4 | |
| | | DEPTH | mm/in | 1670 / 65.7 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1320 / 52.0 | |
| | | WIDTH | mm/in | 2100 / 82.7 | |
| | | DEPTH | mm/in | 1810 / 71.3 | |
| | UNIT WEIGHT | | kg/lb | 665 / 1466 | 765 / 1687 |
| | REFRIGERANT CHARGE | | kg/lb | 2 x 4.5 / 2 x 9.9 | 2 x 5.9 / 2 x 13 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNI*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Cooling Only (R22)

| MODEL | | | | MRT250A | MRT300A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 250000 | 300000 |
| | | | W | 73270 | 87930 |
| NOMINAL TOTAL INPUT POWER | | | W | 27560 | 35960 |
| NOMINAL RUNNING CURRENT | | | A | 49.6 | 62.7 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / TXV | |
| EER | | | W/W | 2.56 | 2.39 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 3776 / 8000 | 4531 / 9600 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 294 / 1.18 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 9439 / 20000 | |
| | SOUND PRESSURE LEVEL | | dBA | 74 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1735 / 68.0 | |
| | | WIDTH | mm/in | 2250 / 88.5 | |
| | | DEPTH | mm/in | 2800 / 110.0 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1900 / 75 | |
| | | WIDTH | mm/in | 2250 / 88.5 | |
| | | DEPTH | mm/in | 2900 / 114 | |
| | UNIT WEIGHT | | kg/lb | 1200 / 2646 | 1350 / 2976 |
| | REFRIGERANT CHARGE | | kg/lb | 2 x 10.5 / 2 x 23.1 | 2 x 10.4 / 2 x 22.9 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Cooling Only (R22)

| MODEL | | | | MRT360A | MRT420A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 329000 | 404000 |
| | | | W | 96420 | 118410 |
| NOMINAL TOTAL INPUT POWER | | | W | 39870 | 46800 |
| NOMINAL RUNNING CURRENT | | | A | 67.2 | 72.8 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / TXV | |
| EER | | | W/W | 2.42 | 2.53 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 5191 / 11000 | 5899 / 12500 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 294 / 1.18 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 9439 / 20000 | |
| | SOUND PRESSURE LEVEL | | dBA | 70 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1974 / 78.0 | |
| | | WIDTH | mm/in | 2252 / 89.0 | |
| | | DEPTH | mm/in | 3180 / 125.0 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 2150 / 84.5 | |
| | | WIDTH | mm/in | 2300 / 90.5 | |
| | | DEPTH | mm/in | 3250 / 128.0 | |
| | UNIT WEIGHT | | kg/lb | 1510 / 3329 | 1600 / 3527 |
| | REFRIGERANT CHARGE | | kg/lb | 16.5 / 36.4 & 19.5 / 43.0 | 2 x 19.5 / 2 x 43.0 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Heat pump (R22)

| MODEL | | | | MRT055AR |
|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | | Btu/h | 55000 |
| | | | W | 16119 |
| NOMINAL HEATING CAPACITY | | | Btu/h | 56500 |
| | | | W | 16559 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | | W | 5778 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | | W | 5128 |
| NOMINAL RUNNING CURRENT (COOLING) | | | A | 10.2 |
| NOMINAL RUNNING CURRENT (HEATING) | | | A | 9.4 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 |
| REFRIGERANT TYPE / CONTROL | | | | R22 / TXV (HEATING), CAP TUBE (COOLING) |
| EER | | | W/W | 2.93 |
| COP | | | W/W | 3.41 |
| EVAPORATOR* | CONTROL | AIR DISCHARGE | | DUCTED |
| | | OPERATION | | SLM CONTROLLER |
| | AIR FLOW | | l/s / cfm | 850 / 1800 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 |
| | CONDENSATE DRAIN SIZE | | mm/in | 19./ 0.75 |
| CONDENSER* | AIR FLOW | | l/s / cfm | 1650/3500 |
| | SOUND PRESSURE LEVEL | | dBA | 68 |
| | UNIT DIMENSION | HEIGHT | mm/in | 916 / 36 |
| | | WIDTH | mm/in | 1090 / 43 |
| | | DEPTH | mm/in | 1386 /55 |
| | PACKING DIMENSION | HEIGHT | mm/in | 1045/ 41.1 |
| | | WIDTH | mm/in | 1110 /43.7 |
| | | DEPTH | mm/in | 1430 / 56.3 |
| | UNIT WEIGHT | | kg/lb | 230 / 506 |
| | REFRIGERANT CHARGE | | kg/lb | 3.9 / 8.6 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Heat pump (R22)

| MODEL | | | | MRT060AR | MRT080AR |
|---|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | | Btu/h | 56000 | 80000 |
| | | | W | 16410 | 23450 |
| NOMINAL HEATING CAPACITY | | | Btu/h | 68000 | 78600 |
| | | | W | 19930 | 23000 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | | W | 6220 | 9400 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | | W | 5970 | 7800 |
| NOMINAL RUNNING CURRENT (COOLING) | | | A | 12.7 | 16.8 |
| NOMINAL RUNNING CURRENT (HEATING) | | | A | 12.4 | 14.8 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / TXV | R22 / CAPILLARY TUBE |
| EER | | | W/W | 2.64 | 1.73 |
| COP | | | W/W | 3.34 | 2.98 |
| EVAPORATOR* | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SLM CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 850 / 1800 | 1334 / 2826 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* | AIR FLOW | | l/s / cfm | 2124 / 4500 | 2667 / 5650 |
| | SOUND PRESSURE LEVEL | | dBA | 63 | 65 |
| | UNIT DIMENSION | HEIGHT | mm/in | 1000 / 39.4 | |
| | | WIDTH | mm/in | 1100 / 43.3 | 1300 / 51.2 |
| | | DEPTH | mm/in | 1530 / 60.2 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1090 / 42.9 | |
| | | WIDTH | mm/in | 1250 / 49.2 | 1450 / 57.1 |
| | | DEPTH | mm/in | 1680 / 66.1 | |
| | UNIT WEIGHT | | kg/lb | 320 / 705 | 385 / 849 |
| | REFRIGERANT CHARGE | | kg/lb | 4.5 / 9.9 | 4.7 / 10.4 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253.*

## General Data - Heat pump (R22)

| MODEL | | | | MRT100AR | MRT120AR |
|---|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | | Btu/h | 100000 | 105000 |
| | | | W | 29300 | 30770 |
| NOMINAL HEATING CAPACITY | | | Btu/h | 105000 | 118000 |
| | | | W | 30800 | 32580 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | | W | 11860 | 11600 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | | W | 10050 | 10700 |
| NOMINAL RUNNING CURRENT (COOLING) | | | A | 20.5 | 21.6 |
| NOMINAL RUNNING CURRENT (HEATING) | | | A | 18.2 | 21.0 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / CAPILLARY TUBE | R22 / TXV |
| EER | | | W/W | 2.03 | 2.65 |
| COP | | | W/W | 2.67 | 3.23 |
| EVAPORATOR* | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SLM CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 1667 / 3532 | 1699 / 3600 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* | AIR FLOW | | l/s / cfm | 2667 / 5650 | 4719 / 10000 |
| | SOUND PRESSURE LEVEL | | dBA | 66 | 68 |
| | UNIT DIMENSION | HEIGHT | mm/in | 1000 / 39.4 | |
| | | WIDTH | mm/in | 1300 / 51.2 | |
| | | DEPTH | mm/in | 1530 / 60.2 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1090 / 42.9 | |
| | | WIDTH | mm/in | 1450 / 57.1 | |
| | | DEPTH | mm/in | 1680 / 66.1 | |
| | UNIT WEIGHT | | kg/lb | 415 / 915 | 440 / 970 |
| | REFRIGERANT CHARGE | | kg/lb | 5.6 / 12.3 | 6.0 / 13.2 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNI*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Heat pump (R22)

| MODEL | | | | MRT150AR | MRT200AR |
|---|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | | Btu/h | 150000 | 200000 |
| | | | W | 44000 | 58600 |
| NOMINAL HEATING CAPACITY | | | Btu/h | 155000 | 208000 |
| | | | W | 45400 | 61000 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | | W | 18600 | 23500 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | | W | 15400 | 20400 |
| NOMINAL RUNNING CURRENT (COOLING) | | | A | 33.0 | 39.2 |
| NOMINAL RUNNING CURRENT (HEATING) | | | A | 29.0 | 35.0 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / CAPILLARY TUBE | |
| EER | | | W/W | 2.26 | 2.19 |
| COP | | | W/W | 3.02 | 2.80 |
| EVAPORATOR* | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 2667 / 5651 | 3167 / 6710 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 196 / 0.79 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* | AIR FLOW | | l/s / cfm | 5333 / 11300 | |
| | SOUND PRESSURE LEVEL | | dBA | 70 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1200 / 47.2 | |
| | | WIDTH | mm/in | 1990 / 78.4 | |
| | | DEPTH | mm/in | 1800 / 70.9 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1320 / 52.0 | |
| | | WIDTH | mm/in | 2100 / 82.7 | |
| | | DEPTH | mm/in | 1938 / 76.3 | |
| | UNIT WEIGHT | | kg/lb | 700 / 1543 | 800 / 1764 |
| | REFRIGERANT CHARGE | | kg/lb | 2 x 4.7 / 2 x 10.4 | 2 x 5.6 / 2 x 12.3 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Heat pump (R22)

| MODEL | | | | MRT250AR | MRT300AR |
|---|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | | Btu/h | 235000 | 290000 |
| | | | W | 68880 | 84990 |
| NOMINAL HEATING CAPACITY | | | Btu/h | 252000 | 295000 |
| | | | W | 73860 | 86460 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | | W | 27660 | 37160 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | | W | 26360 | 32660 |
| NOMINAL RUNNING CURRENT (COOLING) | | | A | 49.9 | 64.7 |
| NOMINAL RUNNING CURRENT (HEATING) | | | A | 48.1 | 59.1 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / TXV | |
| EER | | | W/W | 2.37 | 2.23 |
| COP | | | W/W | 2.68 | 2.53 |
| EVAPORATOR* | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 3776 / 8000 | 4531 / 9600 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 294 / 1.18 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* | AIR FLOW | | l/s / cfm | 9439 / 20000 | |
| | SOUND PRESSURE LEVEL | | dBA | 74 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1735 / 68.0 | |
| | | WIDTH | mm/in | 2250 / 88.5 | |
| | | DEPTH | mm/in | 2800 / 110.0 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1900 / 75 | |
| | | WIDTH | mm/in | 2250 / 88.5 | |
| | | DEPTH | mm/in | 2900 / 114 | |
| | UNIT WEIGHT | | kg/lb | 1200 / 2646 | 1350 / 2976 |
| | REFRIGERANT CHARGE | | kg/lb | 2 x 10 / 2 x 22 | 2 x 9.4 / 2 x 20.7 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Heat pump (R22)

| MODEL | | | | MRT360AR | MRT420AR |
|---|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | | Btu/h | 335000 | 384000 |
| | | | W | 98180 | 112540 |
| NOMINAL HEATING CAPACITY | | | Btu/h | 348000 | 412000 |
| | | | W | 101990 | 120750 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | | W | 39210 | 46400 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | | W | 35830 | 40800 |
| NOMINAL RUNNING CURRENT (COOLING) | | | A | 70.6 | 72.5 |
| NOMINAL RUNNING CURRENT (HEATING) | | | A | 66.6 | 65.3 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R22 / TXV | |
| EER | | | W/W | 2.50 | 2.43 |
| COP | | | W/W | 2.85 | 2.96 |
| EVAPORATOR* | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 5191 / 11000 | 5899 / 12500 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 294 / 1.18 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* | AIR FLOW | | l/s / cfm | 9439 / 20000 | |
| | SOUND PRESSURE LEVEL | | dBA | 70 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1974 / 78.0 | |
| | | WIDTH | mm/in | 2252 / 89.0 | |
| | | DEPTH | mm/in | 3180 / 125.0 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 2150 / 84.5 | |
| | | WIDTH | mm/in | 2300 / 90.5 | |
| | | DEPTH | mm/in | 3250 / 128.0 | |
| | UNIT WEIGHT | | kg/lb | 1510 / 3329 | 1600 / 3527 |
| | REFRIGERANT CHARGE | | kg/lb | 13.5/ 29.7 & 16 / 36.2 | 2 x 16.4 / 2 x 36.2 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253.*

## General Data - Cooling Only (R407C)

| MODEL | | | | M4RT060A | M4RT080A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 59000 | 72000 |
| | | | W | 17290 | 21100 |
| NOMINAL TOTAL INPUT POWER | | | W | 5890 | 8700 |
| NOMINAL RUNNING CURRENT | | | A | 10.9 | 16.3 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R407C / TXV | R407C / CAPILLARY TUBE |
| EER | | | W/W | 2.94 | 2.32 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SLM CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 850 / 1800 | 1334 / 2826 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 2124 / 4500 | 2667 / 5650 |
| | SOUND PRESSURE LEVEL | | dBA | 63 | 65 |
| | UNIT DIMENSION | HEIGHT | mm/in | 1000 / 39.4 | |
| | | WIDTH | mm/in | 1100 / 43.3 | 1300 / 51.2 |
| | | DEPTH | mm/in | 1530 / 60.2 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1090 / 42.9 | |
| | | WIDTH | mm/in | 1250 / 49.2 | 1450 / 57.1 |
| | | DEPTH | mm/in | 1680 / 66.1 | |
| | UNIT WEIGHT | | kg/lb | 295 / 650 | 370 / 816 |
| | REFRIGERANT CHARGE | | kg/lb | 4.6 / 10.1 | 4.6 / 10.1 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UN*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253.*

## General Data - Cooling Only (R407C)

| MODEL | | | | M4RT100A | M4RT120A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 95000 | 110000 |
| | | | W | 27840 | 32240 |
| NOMINAL TOTAL INPUT POWER | | | W | 11600 | 12180 |
| NOMINAL RUNNING CURRENT | | | A | 20.2 | 22.8 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R407C / CAPILLARY TUBE | R407C / TXV |
| EER | | | W/W | 2.31 | 2.65 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SLM CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 1667 / 3532 | 1699 / 3600 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 2667 / 5650 | 3776 / 8000 |
| | SOUND PRESSURE LEVEL | | dBA | 66 | 68 |
| | UNIT DIMENSION | HEIGHT | mm/in | 1000 / 39.4 | |
| | | WIDTH | mm/in | 1300 / 51.2 | |
| | | DEPTH | mm/in | 1530 / 60.2 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1090 / 42.9 | |
| | | WIDTH | mm/in | 1450 / 57.1 | |
| | | DEPTH | mm/in | 1680 / 66.1 | |
| | UNIT WEIGHT | | kg/lb | 400 / 882 | 425 / 937 |
| | REFRIGERANT CHARGE | | kg/lb | 5.9 / 13 | 5.6 / 12.3 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253.*

## General Data - Cooling Only (R407C)

| MODEL | | | | M4RT150A | M4RT200A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 140000 | 190000 |
| | | | W | 41030 | 55680 |
| NOMINAL TOTAL INPUT POWER | | | W | 17200 | 25100 |
| NOMINAL RUNNING CURRENT | | | A | 32.1 | 43.8 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R407C / CAPILLARY TUBE | |
| EER | | | W/W | 2.34 | 2.18 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 2667 / 5651 | 3167 / 6710 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 196 / 0.79 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 5333 / 11300 | |
| | SOUND PRESSURE LEVEL | | dBA | 70 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1200 / 47.2 | |
| | | WIDTH | mm/in | 1990 / 78.4 | |
| | | DEPTH | mm/in | 1670 / 65.7 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1320 / 52.0 | |
| | | WIDTH | mm/in | 2100 / 82.7 | |
| | | DEPTH | mm/in | 1810 / 71.3 | |
| | UNIT WEIGHT | | kg/lb | 665 / 1466 | 765 / 1687 |
| | REFRIGERANT CHARGE | | kg/lb | 2 x 3.9 / 2 x 8.6 | 2 x 4.2 / 2 x 9.3 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253.*

## General Data - Cooling Only (R407C)

| MODEL | | | | M4RT250A | M4RT300A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 230000 | 283000 |
| | | | W | 67410 | 82940 |
| NOMINAL TOTAL INPUT POWER | | | W | 28700 | 40160 |
| NOMINAL RUNNING CURRENT | | | A | 53.0 | 68.5 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R407C / TXV | |
| EER | | | W/W | 2.2 | 1.96 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 3776 / 8000 | 4389 / 9300 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 294 / 1.18 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 9439 / 20000 | |
| | SOUND PRESSURE LEVEL | | dBA | 74 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1735 / 68.0 | |
| | | WIDTH | mm/in | 2250 / 88.5 | |
| | | DEPTH | mm/in | 2800 / 110.0 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1900 / 75 | |
| | | WIDTH | mm/in | 2250 / 88.5 | |
| | | DEPTH | mm/in | 2900 / 114 | |
| | UNIT WEIGHT | | kg/lb | 1200 / 2646 | 1350 / 2976 |
| | REFRIGERANT CHARGE | | kg/lb | 2 x 9.6 / 2 x 21.2 | 2 x 10.4 / 2 x 22.9 |

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*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253.*

## General Data - Cooling Only (R407C)

| MODEL | | | | M4RT360A | M4RT420A |
|---|---|---|---|---|---|
| NOMINAL CAPACITY | | | Btu/h | 331000 | 415000 |
| | | | W | 97010 | 121620 |
| NOMINAL TOTAL INPUT POWER | | | W | 41870 | 48800 |
| NOMINAL RUNNING CURRENT | | | A | 74.2 | 83.7 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R407C / TXV | |
| EER | | | W/W | 2.32 | 2.49 |
| EVAPORATOR | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 5191 / 11000 | 5899 / 12500 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 294 / 1.18 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER | AIR FLOW | | l/s / cfm | 9439 / 20000 | |
| | SOUND PRESSURE LEVEL | | dBA | 70 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1974 / 78.0 | |
| | | WIDTH | mm/in | 2252 / 89.0 | |
| | | DEPTH | mm/in | 3180 / 125.0 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 2150 / 84.5 | |
| | | WIDTH | mm/in | 2300 / 90.5 | |
| | | DEPTH | mm/in | 3250 / 128.0 | |
| | UNIT WEIGHT | | kg/lb | 1510 / 3329 | 1600 / 3527 |
| | REFRIGERANT CHARGE | | kg/lb | 14.5 / 32.0 & 18.0 / 39.7 | 2 x 18.0 / 2 x 39.7 |

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*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253.*

## General Data - Heat pump (R407C)

| MODEL | | | | M4RT060AR | M4RT080AR |
|---|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | | Btu/h | 56000 | 72000 |
| | | | W | 16710 | 21100 |
| NOMINAL HEATING CAPACITY | | | Btu/h | 69000 | 77000 |
| | | | W | 20220 | 22570 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | | W | 6650 | 8410 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | | W | 6580 | 7540 |
| NOMINAL RUNNING CURRENT (COOLING) | | | A | 13.2 | 16.0 |
| NOMINAL RUNNING CURRENT (HEATING) | | | A | 12.9 | 15.4 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R407C / TXV | |
| EER | | | W/W | 2.47 | 2.40 |
| COP | | | W/W | 3.07 | 2.85 |
| EVAPORATOR* | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SLM CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 850 / 1800 | 1334 / 2826 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* | AIR FLOW | | l/s / cfm | 2124 / 4500 | 2667 / 5650 |
| | SOUND PRESSURE LEVEL | | dBA | 63 | 65 |
| | UNIT DIMENSION | HEIGHT | mm/in | 1000 / 39.4 | |
| | | WIDTH | mm/in | 1100 / 43.3 | 1300 / 51.2 |
| | | DEPTH | mm/in | 1530 / 60.2 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1090 / 42.9 | |
| | | WIDTH | mm/in | 1250 / 49.2 | 1450 / 57.1 |
| | | DEPTH | mm/in | 1680 / 66.1 | |
| | UNIT WEIGHT | | kg/lb | 320 / 705 | 385 / 849 |
| | REFRIGERANT CHARGE | | kg/lb | 4.3 / 9.5 | 5.2 / 11.5 |

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*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Heat pump (R407C)

| MODEL | | | | M4RT100AR | M4RT120AR |
|---|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | | Btu/h | 88000 | 100000 |
| | | | W | 25790 | 29310 |
| NOMINAL HEATING CAPACITY | | | Btu/h | 102000 | 122000 |
| | | | W | 29890 | 35760 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | | W | 10820 | 12810 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | | W | 9810 | 11260 |
| NOMINAL RUNNING CURRENT (COOLING) | | | A | 20.6 | 23.2 |
| NOMINAL RUNNING CURRENT (HEATING) | | | A | 19.3 | 21.2 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R407C / TXV | |
| EER | | | W/W | 2.26 | 2.29 |
| COP | | | W/W | 2.92 | 3.17 |
| EVAPORATOR* | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SLM CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 1667 / 3532 | 1699 / 3600 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 98 / 0.39 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* | AIR FLOW | | l/s / cfm | 2667 / 5650 | 4719 / 10000 |
| | SOUND PRESSURE LEVEL | | dBA | 66 | 68 |
| | UNIT DIMENSION | HEIGHT | mm/in | 1000 / 39.4 | |
| | | WIDTH | mm/in | 1300 / 51.2 | |
| | | DEPTH | mm/in | 1530 / 60.2 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 1090 / 42.9 | |
| | | WIDTH | mm/in | 1450 / 57.1 | |
| | | DEPTH | mm/in | 1680 / 66.1 | |
| | UNIT WEIGHT | | kg/lb | 415 / 915 | 440 / 970 |
| | REFRIGERANT CHARGE | | kg/lb | 6.0 / 13.2 | 6.0 / 13.2 |

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*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253.*

## General Data - Heat pump (R407C)

| MODEL | | | M4RT150AR | M4RT200AR |
|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | Btu/h | 149000 | 190000 |
| | | W | 43670 | 55680 |
| NOMINAL HEATING CAPACITY | | Btu/h | 160000 | 230000 |
| | | W | 46890 | 67410 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | W | 16570 | 21160 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | W | 15710 | 20300 |
| NOMINAL RUNNING CURRENT (COOLING) | | A | 32.2 | 39.9 |
| NOMINAL RUNNING CURRENT (HEATING) | | A | 31.2 | 38.4 |
| POWER SOURCE | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | R407C / TXV | |
| EER | | W/W | 2.75 | 2.63 |
| COP | | W/W | 3.12 | 3.32 |
| EVAPORATOR* CONTROL | AIR DISCHARGE | | DUCTED | |
| | OPERATION | | SEQUENTIAL CONTROLLER | |
| AIR FLOW | | l/s / cfm | 2667 / 5651 | 3167 / 6710 |
| EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 196 / 0.79 | |
| CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* AIR FLOW | | l/s / cfm | 5333 / 11300 | |
| SOUND PRESSURE LEVEL | | dBA | 70 | |
| UNIT DIMENSION | HEIGHT | mm/in | 1200 / 47.2 | |
| | WIDTH | mm/in | 1990 / 78.4 | |
| | DEPTH | mm/in | 1800 / 70.9 | |
| PACKING DIMENSION | HEIGHT | mm/in | 1320 / 52.0 | |
| | WIDTH | mm/in | 2100 / 82.7 | |
| | DEPTH | mm/in | 1938 / 76.3 | |
| UNIT WEIGHT | | kg/lb | 700 / 1543 | 800 / 1764 |
| REFRIGERANT CHARGE | | kg/lb | 2 x 5.0 / 2 x 11.0 | 2 x 5.8 / 2 x 12.8 |

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*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## General Data - Heat pump (R407C)

| MODEL | | | M4RT250AR | M4RT300AR |
|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | Btu/h | 230000 | 283000 |
| | | W | 67410 | 82940 |
| NOMINAL HEATING CAPACITY | | Btu/h | 255000 | 315000 |
| | | W | 74730 | 92320 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | W | 29200 | 38160 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | W | 26220 | 34780 |
| NOMINAL RUNNING CURRENT (COOLING) | | A | 52.1 | 65.5 |
| NOMINAL RUNNING CURRENT (HEATING) | | A | 48.6 | 61.9 |
| POWER SOURCE | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | R407C / TXV | |
| EER | | W/W | 2.30 | 2.07 |
| COP | | W/W | 2.73 | 2.55 |
| EVAPORATOR* CONTROL | AIR DISCHARGE | | DUCTED | |
| | OPERATION | | SEQUENTIAL CONTROLLER | |
| AIR FLOW | | l/s / cfm | 3776 / 8000 | 4389 / 9300 |
| EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 294 / 1.18 | |
| CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* AIR FLOW | | l/s / cfm | 9439 / 20000 | |
| SOUND PRESSURE LEVEL | | dBA | 74 | |
| UNIT DIMENSION | HEIGHT | mm/in | 1735 / 68.0 | |
| | WIDTH | mm/in | 2250 / 88.5 | |
| | DEPTH | mm/in | 2800 / 110.0 | |
| PACKING DIMENSION | HEIGHT | mm/in | 1900 / 75 | |
| | WIDTH | mm/in | 2250 / 88.5 | |
| | DEPTH | mm/in | 2900 / 114 | |
| UNIT WEIGHT | | kg/lb | 1200 / 2646 | 1350 / 2976 |
| REFRIGERANT CHARGE | | kg/lb | 2 x 9.4 / 2 x 20.7 | 2 x 9.6 / 2 x 21.2 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253.*

## General Data - Heat pump (R407C)

| MODEL | | | | M4RT360AR | M4RT420AR |
|---|---|---|---|---|---|
| NOMINAL COOLING CAPACITY | | | Btu/h | 345000 | 374000 |
| | | | W | 101110 | 109610 |
| NOMINAL HEATING CAPACITY | | | Btu/h | 349000 | 431000 |
| | | | W | 102290 | 126310 |
| NOMINAL TOTAL INPUT POWER (COOLING) | | | W | 43170 | 48200 |
| NOMINAL TOTAL INPUT POWER (HEATING) | | | W | 41670 | 46800 |
| NOMINAL RUNNING CURRENT (COOLING) | | | A | 74.2 | 82.9 |
| NOMINAL RUNNING CURRENT (HEATING) | | | A | 72.0 | 81.1 |
| POWER SOURCE | | | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| REFRIGERANT TYPE / CONTROL | | | | R407C / TXV | |
| EER | | | W/W | 2.34 | 2.27 |
| COP | | | W/W | 2.45 | 2.70 |
| EVAPORATOR* | CONTROL | AIR DISCHARGE | | DUCTED | |
| | | OPERATION | | SEQUENTIAL CONTROLLER | |
| | AIR FLOW | | l/s / cfm | 5191 / 11000 | 5899 / 12500 |
| | EXTERNAL STATIC PRESSURE | | Pa/in.wg. | 294 / 1.18 | |
| | CONDENSATE DRAIN SIZE | | mm/in | 25.4 / 1 | |
| CONDENSER* | AIR FLOW | | l/s / cfm | 9439 / 20000 | |
| | SOUND PRESSURE LEVEL | | dBA | 70 | |
| | UNIT DIMENSION | HEIGHT | mm/in | 1974 / 78.0 | |
| | | WIDTH | mm/in | 2252 / 89.0 | |
| | | DEPTH | mm/in | 3180 / 125.0 | |
| | PACKING DIMENSION | HEIGHT | mm/in | 2150 / 84.5 | |
| | | WIDTH | mm/in | 2300 / 90.5 | |
| | | DEPTH | mm/in | 3250 / 128.0 | |
| | UNIT WEIGHT | | kg/lb | 1510 / 3329 | 1600 / 3527 |
| | REFRIGERANT CHARGE | | kg/lb | 13.5/ 29.7 & 16 / 35.3 | 2 x 16 / 2 x 35.3 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :*
*a) COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR*
*b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR*
*4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.*
*5) * DESIGNATION BASED ON COOLING CYCLE.*
*6) EFFECTIVE POWER INPUT IS USED IN THE RATED EER/COP CALCULATION, ACCORDING TO ISO STANDARD: ISO 13253*

## Components Data (R22)

| MODEL | | | | | MRT055A |
|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL |
| | QUANTITY | | | | 1 |
| | MATERIAL | | | | METAL |
| | DRIVE | | | | BELT DRIVE |
| | DIAMETER | | | mm/in | 254 / 10 |
| | LENGTH | | | mm/in | 203 / 8 |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR |
| | QUANTITY | | | | 1 |
| | INDEX OF PROTECTION (IP) | | | | IP22 |
| CONDENSER FAN | TYPE | | | | PROPELLER |
| | QUANTITY | | | | 1 |
| | MATERIAL | | | | PLASTIC |
| | DRIVE | | | | DIRECT DRIVE |
| | DIAMETER | | | mm/in | 609.6 / 24.0 |
| CONDENSER FAN MOTOR | TYPE | | | | INDUCTION MOTOR |
| | QUANTITY | | | | 1 |
| | INDEX OF PROTECTION (IP) | | | | IP54 |
| COMPRESSOR | TYPE | | | | SCROLL |
| | QUANTITY | | | | 1 |
| | OIL TYPE | | | | SONTEX 200LT |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 1770 / 62.3 |
| EVAPORATOR COIL | TUBE | MATERIAL | | | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 |
| | | THICKNESS | | mm/in | 0.28 / 0.011 |
| | FIN | MATERIAL | | | ALUMINIUM |
| | | THICKNESS | | mm/in | 0.11 / 0.004 |
| | | FACE AREA | | $m^2/ft^2$ | 0.44 / 4.75 |
| | | ROW | | | 3 |
| | | FIN PER INCH | | | 14 |
| CONDENSER COIL | TUBE | MATERIAL | | | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 |
| | | THICKNESS | | mm/in | 0.28 / 0.011 |
| | FIN | MATERIAL | | | ALUMINIUM |
| | | THICKNESS | | mm/in | 0.11 / 0.004 |
| | | FACE AREA | | $m^2/ft^2$ | 0.44 / 4.75 |
| | | ROW | | | 2 |
| | | FIN PER INCH | | | 18 |
| AIR QUALITY | FILTER | TYPE | | | N/A |
| | | QUANTITY | | pc | N/A |
| | | SIZE | LENGTH | mm/in | N/A |
| | | | WIDTH | mm/in | N/A |
| | | | THICKNESS | mm/in | N/A |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER |
| | COLOUR | | | | LIGHT GREY |
| | INSULATION / THICKNESS | | | | PE / 10mm |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R22)

| MODEL | | | | | MRT060A | MRT080A |
|---|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | PLASTIC | GALVANISED STEEL |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 254 / 10 | |
| | LENGTH | | | mm/in | 254 / 10 | 254 / 10 & 203.2 / 8.0 |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 609.6 / 24.0 | 660.4 / 26.0 |
| CONDENSER FAN MOTOR | TYPE | | | | INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | IP44 |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 1 | |
| | OIL TYPE | | | | SONTEX 200LT | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 1770 / 62.3 | 2510 / 88.3 |
| EVAPORATOR COIL | TUBE | MATERIAL | | | S.I.G.C. | SEAMLESS COPPER |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 0.53 / 5.70 | 0.65 / 6.96 |
| | | ROW | | | 3 | |
| | | FIN PER INCH | | | 16 | 15 |
| CONDENSER COIL | TUBE | MATERIAL | | | S.I.G.C. | SEAMLESS COPPER |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 1.41 / 15.17 | |
| | | ROW | | | 2 | |
| | | FIN PER INCH | | | 16 | 16 |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 1 | |
| | | SIZE | LENGTH | mm/in | 820 / 32.3 | 1020 / 40.2 |
| | | | WIDTH | mm/in | 615 / 24.2 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R22)

| MODEL | | | | | MRT100A | MRT120A |
|---|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 254 / 10 | |
| | LENGTH | | | mm/in | 254 / 10 & 203.2 / 8.0 | |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 660.4 / 26.0 | 762 / 30 |
| CONDENSER FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP44 | N/A |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 1 | |
| | OIL TYPE | | | | SONTEX 200LT | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 3250 / 114.4 | |
| EVAPORATOR COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2$/$ft^2$ | 0.65 / 6.96 | 0.65 / 6.99 |
| | | ROW | | | 4 | |
| | | FIN PER INCH | | | 15 | 14 |
| CONDENSER COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2$/$ft^2$ | 1.42 / 15.28 | |
| | | ROW | | | 3 | |
| | | FIN PER INCH | | | 16 | 14 |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 1 | |
| | | SIZE | LENGTH | mm/in | 1020 / 40.2 | |
| | | | WIDTH | mm/in | 615 / 24.2 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R22)

<table>
<tr><th colspan="5">MODEL</th><th>MRT150A</th><th>MRT200A</th></tr>
<tr><td>EVAPORATOR FAN</td><td colspan="3">TYPE</td><td></td><td colspan="2">CENTRIFUGAL</td></tr>
<tr><td></td><td colspan="3">QUANTITY</td><td></td><td colspan="2">2</td></tr>
<tr><td></td><td colspan="3">MATERIAL</td><td></td><td colspan="2">PLASTIC</td></tr>
<tr><td></td><td colspan="3">DRIVE</td><td></td><td colspan="2">BELT DRIVE</td></tr>
<tr><td></td><td colspan="3">DIAMETER</td><td>mm/in</td><td colspan="2">384.5 / 15.1</td></tr>
<tr><td></td><td colspan="3">LENGTH</td><td>mm/in</td><td colspan="2">374.0 / 14.7</td></tr>
<tr><td>EVAPORATOR FAN MOTOR</td><td colspan="3">TYPE</td><td></td><td colspan="2">THREE PHASE SQUIRREL CAGE INDUCTION MOTOR</td></tr>
<tr><td></td><td colspan="3">QUANTITY</td><td></td><td colspan="2">1</td></tr>
<tr><td></td><td colspan="3">INDEX OF PROTECTION (IP)</td><td></td><td colspan="2">IP22</td></tr>
<tr><td>CONDENSER FAN</td><td colspan="3">TYPE</td><td></td><td colspan="2">PROPELLER</td></tr>
<tr><td></td><td colspan="3">QUANTITY</td><td></td><td colspan="2">2</td></tr>
<tr><td></td><td colspan="3">MATERIAL</td><td></td><td colspan="2">GALVANISED STEEL</td></tr>
<tr><td></td><td colspan="3">DRIVE</td><td></td><td colspan="2">DIRECT DRIVE</td></tr>
<tr><td></td><td colspan="3">DIAMETER</td><td>mm/in</td><td colspan="2">660.4 / 26.0</td></tr>
<tr><td>CONDENSER FAN MOTOR</td><td colspan="3">TYPE</td><td></td><td colspan="2">THREE PHASE INDUCTION MOTOR</td></tr>
<tr><td></td><td colspan="3">QUANTITY</td><td></td><td colspan="2">2</td></tr>
<tr><td></td><td colspan="3">INDEX OF PROTECTION (IP)</td><td></td><td colspan="2">IP44</td></tr>
<tr><td>COMPRESSOR</td><td colspan="3">TYPE</td><td></td><td colspan="2">SCROLL</td></tr>
<tr><td></td><td colspan="3">QUANTITY</td><td></td><td colspan="2">2</td></tr>
<tr><td></td><td colspan="3">OIL TYPE</td><td></td><td colspan="2">SONTEX 200LT</td></tr>
<tr><td></td><td colspan="3">OIL AMOUNT</td><td>$cm^3$/fl.oz.</td><td>2510 / 88.3</td><td>3250 / 114.4</td></tr>
<tr><td>EVAPORATOR COIL</td><td>TUBE</td><td colspan="2">MATERIAL</td><td></td><td colspan="2">S.I.G.C.</td></tr>
<tr><td></td><td></td><td colspan="2">DIAMETER</td><td>mm/in</td><td colspan="2">9.52 / 3/8</td></tr>
<tr><td></td><td></td><td colspan="2">THICKNESS</td><td>mm/in</td><td colspan="2">0.33 / 0.013</td></tr>
<tr><td></td><td>FIN</td><td colspan="2">MATERIAL</td><td></td><td colspan="2">ALUMINIUM</td></tr>
<tr><td></td><td></td><td colspan="2">THICKNESS</td><td>mm/in</td><td colspan="2">0.11 / 0.004</td></tr>
<tr><td></td><td></td><td colspan="2">FACE AREA</td><td>$m^2/ft^2$</td><td colspan="2">2 x 0.57 / 2 x 6.12</td></tr>
<tr><td></td><td></td><td colspan="2">ROW</td><td></td><td>3</td><td>4</td></tr>
<tr><td></td><td></td><td colspan="2">FIN PER INCH</td><td></td><td colspan="2">15</td></tr>
<tr><td>CONDENSER COIL</td><td>TUBE</td><td colspan="2">MATERIAL</td><td></td><td colspan="2">S.I.G.C.</td></tr>
<tr><td></td><td></td><td colspan="2">DIAMETER</td><td>mm/in</td><td colspan="2">9.52 / 3/8</td></tr>
<tr><td></td><td></td><td colspan="2">THICKNESS</td><td>mm/in</td><td colspan="2">0.33 / 0.013</td></tr>
<tr><td></td><td>FIN</td><td colspan="2">MATERIAL</td><td></td><td colspan="2">ALUMINIUM</td></tr>
<tr><td></td><td></td><td colspan="2">THICKNESS</td><td>mm/in</td><td colspan="2">0.11 / 0.004</td></tr>
<tr><td></td><td></td><td colspan="2">FACE AREA</td><td>$m^2/ft^2$</td><td colspan="2">2 X 1.25 / 2 x 13.44</td></tr>
<tr><td></td><td></td><td colspan="2">ROW</td><td></td><td>2</td><td>3</td></tr>
<tr><td></td><td></td><td colspan="2">FIN PER INCH</td><td></td><td colspan="2">16</td></tr>
<tr><td>AIR QUALITY</td><td>FILTER</td><td colspan="2">TYPE</td><td></td><td colspan="2">WASHABLE SARANET</td></tr>
<tr><td></td><td></td><td colspan="2">QUANTITY</td><td>pc</td><td colspan="2">2</td></tr>
<tr><td></td><td></td><td>SIZE</td><td>LENGTH</td><td>mm/in</td><td colspan="2">840 / 33.1</td></tr>
<tr><td></td><td></td><td></td><td>WIDTH</td><td>mm/in</td><td colspan="2">667 / 26.3</td></tr>
<tr><td></td><td></td><td></td><td>THICKNESS</td><td>mm/in</td><td colspan="2">1 / 0.04</td></tr>
<tr><td>CASING</td><td colspan="3">MATERIAL</td><td></td><td colspan="2">ELECTRO GALVANISED MILD STEEL</td></tr>
<tr><td></td><td colspan="3">EXTERNAL FINISHING</td><td></td><td colspan="2">EPOXY POLYESTER POWDER</td></tr>
<tr><td></td><td colspan="3">COLOUR</td><td></td><td colspan="2">LIGHT GREY</td></tr>
<tr><td></td><td colspan="3">INSULATION / THICKNESS</td><td></td><td colspan="2">PE / 10mm</td></tr>
</table>

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R22)

| MODEL | | | | | MRT250A | MRT300A |
|---|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 457.2 / 18 | |
| | LENGTH | | | mm/in | 480 / 18.9 | 481 / 18.9 |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 812.8 / 32.0 | |
| CONDENSER FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP55 | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | SONTEX 200LT | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 3250 / 114.4 | 4140 / 145.7 |
| EVAPORATOR COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 0.91 / 2 x 9.84 | |
| | | ROW | | | 4 | |
| | | FIN PER INCH | | | 14 | |
| CONDENSER COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 3.01 / 2 x 32.44 | |
| | | ROW | | | 2 | |
| | | FIN PER INCH | | | 14 | |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 | |
| | | SIZE | LENGTH | mm/in | 1370 / 53.9 | |
| | | | WIDTH | mm/in | 735 / 28.9 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*

*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R22)

| MODEL | | | | | MRT360A | MRT420A |
|---|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 560 / 22 | |
| | LENGTH | | | mm/in | 457 / 18 | |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 812.8 / 32.0 | |
| CONDENSER FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP55 | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | 160P & 320SZ | 320 SZ |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 6600 / 232.3 & 8000 / 281.6 | 8000 / 281.6 |
| EVAPORATOR COIL | TUBE | MATERIAL | | | S.I.G.C. | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 3.02 / 32.5 | |
| | | ROW | | | 3 & 4 | 4 |
| | | FIN PER INCH | | | 14 & 13 | 13 |
| CONDENSER COIL | TUBE | MATERIAL | | | S.I.G.C. | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 3.50 / 37.7 | |
| | | ROW | | | 2 & 3 | 3 |
| | | FIN PER INCH | | | 14 & 13 | 13 |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 & 4 | |
| | | SIZE | LENGTH | mm/in | 860 / 33.86 | |
| | | | WIDTH | mm/in | 505 / 19.88 & 600 / 23.62 | |
| | | | THICKNESS | mm/in | 4 / 0.16 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R22)

| MODEL | | | | | MRT055AR |
|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | | CENTRIFUGAL |
| | QUANTITY | | | | 1 |
| | MATERIAL | | | | METAL |
| | DRIVE | | | | BELT DRIVE |
| | DIAMETER | | | mm/in | 254 / 10 |
| | LENGTH | | | mm/in | 203 / 8 |
| EVAPORATOR* FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR |
| | QUANTITY | | | | 1 |
| | INDEX OF PROTECTION (IP) | | | | IP22 |
| CONDENSER* FAN | TYPE | | | | PROPELLER |
| | QUANTITY | | | | 1 |
| | MATERIAL | | | | PLASTIC |
| | DRIVE | | | | DIRECT DRIVE |
| | DIAMETER | | | mm/in | 609.6 / 24.0 |
| CONDENSER* FAN MOTOR | TYPE | | | | INDUCTION MOTOR |
| | QUANTITY | | | | 1 |
| | INDEX OF PROTECTION (IP) | | | | IP54 |
| COMPRESSOR | TYPE | | | | SCROLL |
| | QUANTITY | | | | 1 |
| | OIL TYPE | | | | SONTEX 200LT |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 1770 / 62.3 |
| EVAPORATOR* COIL | TUBE | MATERIAL | | | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 |
| | | THICKNESS | | mm/in | 0.28 / 0.011 |
| | FIN | MATERIAL | | | ALUMINIUM |
| | | THICKNESS | | mm/in | 0.11 / 0.004 |
| | | FACE AREA | | $m^2/ft^2$ | 0.44 / 4.75 |
| | | ROW | | | 3 |
| | | FIN PER INCH | | | 14 |
| CONDENSER* COIL | TUBE | MATERIAL | | | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 |
| | | THICKNESS | | mm/in | 0.28 / 0.011 |
| | FIN | MATERIAL | | | ALUMINIUM |
| | | THICKNESS | | mm/in | 0.11 / 0.004 |
| | | FACE AREA | | $m^2/ft^2$ | 0.44 / 4.75 |
| | | ROW | | | 3 |
| | | FIN PER INCH | | | 14 |
| AIR QUALITY | FILTER | TYPE | | | N/A |
| | | QUANTITY | | pc | N/A |
| | | SIZE | LENGTH | mm/in | N/A |
| | | | WIDTH | mm/in | N/A |
| | | | THICKNESS | mm/in | N/A |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER |
| | COLOUR | | | | LIGHT GREY |
| | INSULATION / THICKNESS | | | | PE / 10mm |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R22)

| MODEL | | | MRT060AR | MRT080AR |
|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | CENTRIFUGAL | |
| | QUANTITY | | 2 | |
| | MATERIAL | | PLASTIC | GALVANISED STEEL |
| | DRIVE | | BELT DRIVE | |
| | DIAMETER | mm/in | 254 / 10 | 286.0 / 11.3 |
| | LENGTH | mm/in | 254 / 10 | 274.0 / 10.8 & 184.0 / 7.2 |
| EVAPORATOR* FAN MOTOR | TYPE | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | 1 | |
| | INDEX OF PROTECTION (IP) | | IP22 | |
| CONDENSER* FAN | TYPE | | PROPELLER | |
| | QUANTITY | | 1 | |
| | MATERIAL | | GALVANISED STEEL | |
| | DRIVE | | DIRECT DRIVE | |
| | DIAMETER | mm/in | 609.6 / 24.0 | 660.4 / 26.0 |
| CONDENSER* FAN MOTOR | TYPE | | INDUCTION MOTOR | |
| | QUANTITY | | 1 | |
| | INDEX OF PROTECTION (IP) | | IP54 | IP44 |
| COMPRESSOR | TYPE | | SCROLL | RECIPROCATING |
| | QUANTITY | | 1 | |
| | OIL TYPE | | SONTEX 200LT | DIAMOND MS 32(N-1) |
| | OIL AMOUNT | $cm^3$/fl.oz. | 1770 / 62.3 | 3000 / 106.0 |
| EVAPORATOR* COIL | TUBE MATERIAL | | S.I.G.C. | |
| | TUBE DIAMETER | mm/in | 9.52 / 3/8 | |
| | TUBE THICKNESS | mm/in | 0.33 / 0.013 | |
| | FIN MATERIAL | | ALUMINIUM | |
| | FIN THICKNESS | mm/in | 0.11 / 0.004 | |
| | FIN FACE AREA | $m^2/ft^2$ | 0.53 / 5.70 | 0.65 / 6.96 |
| | FIN ROW | | 3 | |
| | FIN PER INCH | | 16 | 15 |
| CONDENSER* COIL | TUBE MATERIAL | | S.I.G.C. | |
| | TUBE DIAMETER | mm/in | 9.52 / 3/8 | |
| | TUBE THICKNESS | mm/in | 0.33 / 0.013 | |
| | FIN MATERIAL | | ALUMINIUM | |
| | FIN THICKNESS | mm/in | 0.11 / 0.004 | |
| | FIN FACE AREA | $m^2/ft^2$ | 1.41 / 15.17 | |
| | FIN ROW | | 2 | |
| | FIN PER INCH | | 16 | 13 |
| AIR QUALITY | FILTER TYPE | | WASHABLE SARANET | |
| | FILTER QUANTITY | pc | 1 | |
| | FILTER SIZE LENGTH | mm/in | 820 / 32.3 | 1020 / 40.2 |
| | FILTER SIZE WIDTH | mm/in | 615 / 24.2 | |
| | FILTER SIZE THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | EPOXY POLYESTER POWDER | |
| | COLOUR | | LIGHT GREY | LIGHT GREY |
| | INSULATION / THICKNESS | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R22)

| MODEL | | | | | MRT100AR | MRT120AR |
|---|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 286.0 / 11.3 | 254 / 10 |
| | LENGTH | | | mm/in | 274.0 / 10.8 & 184.0 / 7.2 | 254 / 10 & 203.2 / 8.0 |
| EVAPORATOR* FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER* FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 660.4 / 26.0 | 762 / 30 |
| CONDENSER* FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| COMPRESSOR | TYPE | | | | RECIPROCATING | SCROLL |
| | QUANTITY | | | | 1 | |
| | OIL TYPE | | | | SUNISO 3GS | SONTEX 200LT |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 4500 / 158.4 | 3250 / 114.4 |
| EVAPORATOR* COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 0.65 / 6.96 | 0.65 / 6.99 |
| | | ROW | | | 4 | |
| | | FIN PER INCH | | | 15 | 14 |
| CONDENSER* COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 1.42 / 15.28 | |
| | | ROW | | | 3 | |
| | | FIN PER INCH | | | 13 | 14 |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 1 | |
| | | SIZE | LENGTH | mm/in | 1020 / 40.2 | |
| | | | WIDTH | mm/in | 615 / 24.2 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | LIGHT GREY |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

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*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R22)

| MODEL | | | | | MRT150AR | MRT200AR |
|---|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | PLASTIC | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 384.5 / 15.1 | |
| | LENGTH | | | mm/in | 374.0 / 14.7 | |
| EVAPORATOR* FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER* FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 660.4 / 26.0 | |
| CONDENSER* FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP44 | |
| COMPRESSOR | TYPE | | | | RECIPROCATING | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | DIAMOND MS 32(N-1) | SUNISO 3GS |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 3000 / 106.0 | 4500 / 158.4 |
| EVAPORATOR* COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 0.57 / 6.12 | |
| | | ROW | | | 3 | 4 |
| | | FIN PER INCH | | | 15 | |
| CONDENSER* COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 1.25 / 2 x 13.44 | |
| | | ROW | | | 2 | 3 |
| | | FIN PER INCH | | | 13 | |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 | |
| | | SIZE | LENGTH | mm/in | 840 / 33.1 | |
| | | | WIDTH | mm/in | 667 / 26.3 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R22)

| MODEL | | | | | MRT250AR | MRT300AR |
|---|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 457.2 / 18 | |
| | LENGTH | | | mm/in | 480 / 18.9 | 481 / 18.9 |
| EVAPORATOR* FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | |
| CONDENSER* FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 812.8 / 32.0 | |
| CONDENSER* FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | SONTEX 200LT | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 3250 / 114.4 | 4140 / 145.7 |
| EVAPORATOR* COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 0.91 / 9.84 | |
| | | ROW | | | 4 | |
| | | FIN PER INCH | | | 14 | |
| CONDENSER* COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 3.01 / 2 x 32.44 | |
| | | ROW | | | 2 | |
| | | FIN PER INCH | | | 14 | |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 | |
| | | SIZE | LENGTH | mm/in | 1370 / 53.9 | |
| | | | WIDTH | mm/in | 735 / 28.9 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R22)

| MODEL | | | | | MRT360AR | MRT420AR |
|---|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 560 / 22 | |
| | LENGTH | | | mm/in | 457 / 18 | |
| EVAPORATOR* FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP44 | |
| CONDENSER* FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 812.8 / 32.0 | |
| CONDENSER* FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | 160P & 320SZ | 320 SZ |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 6600 / 232.3 & 8000 / 281.6 | 8000 / 281.6 |
| EVAPORATOR* COIL | TUBE | MATERIAL | | | S.I.G.C. | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 3.02 / 32.5 | |
| | | ROW | | | 3 & 4 | 4 |
| | | FIN PER INCH | | | 14 & 13 | 13 |
| CONDENSER* COIL | TUBE | MATERIAL | | | S.I.G.C. | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 3.50 /37.7 | |
| | | ROW | | | 3 | |
| | | FIN PER INCH | | | 13 | |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 & 4 | |
| | | SIZE | LENGTH | mm/in | 860 / 33.86 | |
| | | | WIDTH | mm/in | 505 / 19.88 & 600 / 23.62 | |
| | | | THICKNESS | mm/in | 4 / 0.16 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R407C)

| MODEL | | | | | M4RT060A | M4RT080A |
|---|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | PLASTIC | GALVANISED STEEL |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 254 / 10 | |
| | LENGTH | | | mm/in | 254 / 10 | 254 / 10 & 203.2 / 8.0 |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 609.6 / 24.0 | 660.4 / 26.0 |
| CONDENSER FAN MOTOR | TYPE | | | | INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | IP44 |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 1 | |
| | OIL TYPE | | | | POE | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 1770 / 62.3 | 2510 / 88.3 |
| EVAPORATOR COIL | TUBE | MATERIAL | | | S.I.G.C. | SEAMLESS COPPER |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 0.53 / 5.70 | 0.65 / 6.96 |
| | | ROW | | | 3 | |
| | | FIN PER INCH | | | 16 | 15 |
| CONDENSER COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 1.41 / 15.17 | |
| | | ROW | | | 2 | |
| | | FIN PER INCH | | | 16 | |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 1 | |
| | | SIZE | LENGTH | mm/in | 820 / 32.3 | 1020 / 40.2 |
| | | | WIDTH | mm/in | 615 / 24.2 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R407C)

| MODEL | | | | | M4RT100A | M4RT120A |
|---|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 254 / 10 | |
| | LENGTH | | | mm/in | 254 / 10 & 203.2 / 8.0 | |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 660.4 / 26.0 | 762 / 30 |
| CONDENSER FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | N/A |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 1 | |
| | OIL TYPE | | | | POE | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 3250 / 114.4 | |
| EVAPORATOR COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 0.65 / 6.96 | 0.65 / 6.99 |
| | | ROW | | | 4 | |
| | | FIN PER INCH | | | 15 | 14 |
| CONDENSER COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 1.42 / 15.28 | |
| | | ROW | | | 3 | |
| | | FIN PER INCH | | | 16 | 14 |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 1 | |
| | | SIZE | LENGTH | mm/in | 1020 / 40.2 | |
| | | | WIDTH | mm/in | 615 / 24.2 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R407C)

| MODEL | | | | | M4RT150A | M4RT200A |
|---|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | PLASTIC | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 384.5 / 15.1 | |
| | LENGTH | | | mm/in | 374.0 / 14.7 | |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 660.4 / 26.0 | |
| CONDENSER FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP44 | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | POE | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 2510 / 88.3 | 3250 / 114.4 |
| EVAPORATOR COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 0.57 / 2 x 6.12 | |
| | | ROW | | | 3 | 4 |
| | | FIN PER INCH | | | 15 | |
| CONDENSER COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 1.25 / 2 x 13.44 | |
| | | ROW | | | 2 | 3 |
| | | FIN PER INCH | | | 16 | |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 | |
| | | SIZE | LENGTH | mm/in | 840 / 33.1 | |
| | | | WIDTH | mm/in | 667 / 26.3 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R407C)

| MODEL | | | | | M4RT250A | M4RT300A |
|---|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 457.2 / 18 | |
| | LENGTH | | | mm/in | 480 / 18.9 | 481 / 18.9 |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | |
| CONDENSER FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 812.8 / 32.0 | |
| CONDENSER FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | POE | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 3250 / 114.4 | 4140 / 145.7 |
| EVAPORATOR COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 0.91 / 2 x 9.84 | |
| | | ROW | | | 4 | |
| | | FIN PER INCH | | | 14 | |
| CONDENSER COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 3.0 / 2 x 32.44 | |
| | | ROW | | | 2 | |
| | | FIN PER INCH | | | 14 | |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 | |
| | | SIZE | LENGTH | mm/in | 1370 / 53.9 | |
| | | | WIDTH | mm/in | 735 / 28.9 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R407C)

| MODEL | | | | | M4RT360A | M4RT420A |
|---|---|---|---|---|---|---|
| EVAPORATOR FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 560 / 22 | |
| | LENGTH | | | mm/in | 457 / 18 | |
| EVAPORATOR FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP44 | |
| CONDENSER FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 812.8 / 32.0 | |
| CONDENSER FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | 160SZ & 320SZ | 320 SZ |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 6600 / 232.3 & 8000 / 281.6 | 8000 / 281.6 |
| EVAPORATOR COIL | TUBE | MATERIAL | | | S.I.G.C. | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | 7.0 / 0.28 |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | 0.28 / 0.011 |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 3.02 / 32.5 | |
| | | ROW | | | 3 & 4 | 4 |
| | | FIN PER INCH | | | 14 & 13 | 13 |
| CONDENSER COIL | TUBE | MATERIAL | | | S.I.G.C. | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 3.50 / 37.7 | |
| | | ROW | | | 2 & 3 | 3 |
| | | FIN PER INCH | | | 14 & 13 | 13 |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 & 4 | |
| | | SIZE | LENGTH | mm/in | 860 / 33.86 | |
| | | | WIDTH | mm/in | 505 / 19.88 & 600 / 23.62 | |
| | | | THICKNESS | mm/in | 4 / 0.16 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*

## Components Data (R407C)

| MODEL | | | | M4RT060AR | M4RT080AR |
|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | CENTRIFUGAL | |
| | QUANTITY | | | 2 | |
| | MATERIAL | | | PLASTIC | GALVANISED STEEL |
| | DRIVE | | | BELT DRIVE | |
| | DIAMETER | | mm/in | 254 / 10 | |
| | LENGTH | | mm/in | 254 / 10 | 254 / 10 & 203.2 / 8.0 |
| EVAPORATOR* FAN MOTOR | TYPE | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | IP22 | |
| CONDENSER* FAN | TYPE | | | PROPELLER | |
| | QUANTITY | | | 1 | |
| | MATERIAL | | | GALVANISED STEEL | |
| | DRIVE | | | DIRECT DRIVE | |
| | DIAMETER | | mm/in | 609.6 / 24.0 | 660.4 / 26.0 |
| CONDENSER* FAN MOTOR | TYPE | | | INDUCTION MOTOR | |
| | QUANTITY | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | N/A | IP44 |
| COMPRESSOR | TYPE | | | SCROLL | |
| | QUANTITY | | | 1 | |
| | OIL TYPE | | | POE | |
| | OIL AMOUNT | | $cm^3$/fl.oz. | 1770 / 62.3 | 2510 / 88.3 |
| EVAPORATOR* COIL | TUBE | MATERIAL | | S.I.G.C. | |
| | | DIAMETER | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | ALUMINIUM | |
| | | THICKNESS | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | $m^2/ft^2$ | 0.53 / 5.70 | 0.65 / 6.96 |
| | | ROW | | 3 | |
| | | FIN PER INCH | | 16 | 15 |
| CONDENSER* COIL | TUBE | MATERIAL | | S.I.G.C. | |
| | | DIAMETER | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | ALUMINIUM | |
| | | THICKNESS | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | $m^2/ft^2$ | 14.1 / 15.17 | |
| | | ROW | | 2 | |
| | | FIN PER INCH | | 16 | 13 |
| AIR QUALITY | FILTER | TYPE | | WASHABLE SARANET | |
| | | QUANTITY | pc | 1 | |
| | | SIZE LENGTH | mm/in | 820 / 32.3 | 1020 / 40.2 |
| | | SIZE WIDTH | mm/in | 615 / 24.2 | |
| | | SIZE THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | LIGHT GREY | LIGHT GREY |
| | INSULATION / THICKNESS | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R407C)

| MODEL | | | | | M4RT100AR | M4RT120AR |
|---|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 254 / 10 | |
| | LENGTH | | | mm/in | 254 / 10 & 203.2 / 8.0 | |
| EVAPORATOR* FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER* FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 660.4 / 26.0 | 762 / 30 |
| CONDENSER* FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | N/A |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 1 | |
| | OIL TYPE | | | | POE | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 3250 / 114.4 | |
| EVAPORATOR* COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 0.65 / 6.96 | 0.65 / 6.99 |
| | | ROW | | | 4 | |
| | | FIN PER INCH | | | 15 | 14 |
| CONDENSER* COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 1.42 / 15.28 | |
| | | ROW | | | 3 | |
| | | FIN PER INCH | | | 13 | 14 |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 1 | |
| | | SIZE | LENGTH | mm/in | 1020 / 40.2 | |
| | | | WIDTH | mm/in | 615 / 24.2 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | LIGHT GREY |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R407C)

| MODEL | | | | | M4RT150AR | M4RT200AR |
|---|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | PLASTIC | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 384.5 / 15.1 | |
| | LENGTH | | | mm/in | 374.0 / 14.7 | |
| EVAPORATOR* FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP22 | |
| CONDENSER* FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 660.4 / 26.0 | |
| CONDENSER* FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP44 | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | POE | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 2510 / 88.3 | 3250 / 114.4 |
| EVAPORATOR* COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 0.57 / 6.12 | |
| | | ROW | | | 3 | 4 |
| | | FIN PER INCH | | | 14 | |
| CONDENSER* COIL | TUBE | MATERIAL | | | S.I.G.C. | |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 2 x 1.25 / 2 x 13.44 | |
| | | ROW | | | 2 | 3 |
| | | FIN PER INCH | | | 13 | |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 | |
| | | SIZE | LENGTH | mm/in | 840 / 33.1 | |
| | | | WIDTH | mm/in | 667 / 26.3 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R407C)

| MODEL | | | | | M4RT250AR | M4RT300AR |
|---|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 457.2 / 18 | |
| | LENGTH | | | mm/in | 480 / 18.9 | 481 / 18.9 |
| EVAPORATOR* FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | |
| CONDENSER* FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 812.8 / 32.0 | |
| CONDENSER* FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | N/A | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | POE | |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 3250 / 114.4 | 4140 / 145.7 |
| EVAPORATOR* COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2$/$ft^2$ | 2 x 0.91 / 9.84 | |
| | | ROW | | | 4 | |
| | | FIN PER INCH | | | 14 | |
| CONDENSER* COIL | TUBE | MATERIAL | | | SEAMLESS COPPER | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2$/$ft^2$ | 2 x 3.01 / 2 x 32.44 | |
| | | ROW | | | 2 | |
| | | FIN PER INCH | | | 14 | |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 | |
| | | SIZE | LENGTH | mm/in | 1370 / 53.9 | |
| | | | WIDTH | mm/in | 735 / 28.9 | |
| | | | THICKNESS | mm/in | 1 / 0.04 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) S.I.G.C. - SEAMLESS INNER GROOVED COPPER.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Components Data (R407C)

| MODEL | | | | | M4RT360AR | M4RT420AR |
|---|---|---|---|---|---|---|
| EVAPORATOR* FAN | TYPE | | | | CENTRIFUGAL | |
| | QUANTITY | | | | 1 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | BELT DRIVE | |
| | DIAMETER | | | mm/in | 560 / 22 | |
| | LENGTH | | | mm/in | 457 / 18 | |
| EVAPORATOR* FAN MOTOR | TYPE | | | | THREE PHASE SQUIRREL CAGE INDUCTION MOTOR | |
| | QUANTITY | | | | 1 | |
| | INDEX OF PROTECTION (IP) | | | | IP44 | |
| CONDENSER* FAN | TYPE | | | | PROPELLER | |
| | QUANTITY | | | | 2 | |
| | MATERIAL | | | | GALVANISED STEEL | |
| | DRIVE | | | | DIRECT DRIVE | |
| | DIAMETER | | | mm/in | 812.8 / 32.0 | |
| CONDENSER* FAN MOTOR | TYPE | | | | THREE PHASE INDUCTION MOTOR | |
| | QUANTITY | | | | 2 | |
| | INDEX OF PROTECTION (IP) | | | | IP54 | |
| COMPRESSOR | TYPE | | | | SCROLL | |
| | QUANTITY | | | | 2 | |
| | OIL TYPE | | | | 160 SZ & 320 SZ | 320 SZ |
| | OIL AMOUNT | | | $cm^3$/fl.oz. | 6600 / 232.3 & 8000 / 281.6 | 8000 / 281.6 |
| EVAPORATOR* COIL | TUBE | MATERIAL | | | S.I.G.C. | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 3.02 / 32.5 | |
| | | ROW | | | 3 & 4 | 4 |
| | | FIN PER INCH | | | 14 & 13 | 13 |
| CONDENSER* COIL | TUBE | MATERIAL | | | S.I.G.C. | S.I.G.C. |
| | | DIAMETER | | mm/in | 9.52 / 3/8 | |
| | | THICKNESS | | mm/in | 0.33 / 0.013 | |
| | FIN | MATERIAL | | | ALUMINIUM | |
| | | THICKNESS | | mm/in | 0.11 / 0.004 | |
| | | FACE AREA | | $m^2/ft^2$ | 3.50 / 37.7 | |
| | | ROW | | | 2 & 3 | 3 |
| | | FIN PER INCH | | | 14 & 13 | 13 |
| AIR QUALITY | FILTER | TYPE | | | WASHABLE SARANET | |
| | | QUANTITY | | pc | 2 & 4 | |
| | | SIZE | LENGTH | mm/in | 860 / 33.86 | |
| | | | WIDTH | mm/in | 505 / 19.88 & 600 / 23.62 | |
| | | | THICKNESS | mm/in | 4 / 0.16 | |
| CASING | MATERIAL | | | | ELECTRO GALVANISED MILD STEEL | |
| | EXTERNAL FINISHING | | | | EPOXY POLYESTER POWDER | |
| | COLOUR | | | | LIGHT GREY | |
| | INSULATION / THICKNESS | | | | PE / 10mm | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
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*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Safety Devices (R22)

| MODEL | | | | MRT055A |
|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC |
| | | OPEN | kPa/psi | 3241 / 470 |
| | | CLOSE | kPa/psi | 2648 / 384 |
| | LOW PRESSURE SWITCH | TYPE | | N/A |
| | | OPEN | kPa/psi | N/A |
| | | CLOSE | kPa/psi | N/A |
| | PHASE SEQUENCER | | | YES |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 |

| MODEL | | | | MRT060A | MRT080A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 | |

| MODEL | | | | MRT100A | MRT120A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 | |

| MODEL | | | | MRT150A | MRT200A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

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## Safety Devices (R22)

| MODEL | | | | MRT250A | MRT300A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

| MODEL | | | | MRT360A | MRT420A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 2937 / 426 | |
| | | CLOSE | kPa/psi | 2413 / 350 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*

## Safety Devices (R22)

| MODEL | | | | MRT055AR |
|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC |
| | | OPEN | kPa/psi | 2937 / 426 |
| | | CLOSE | kPa/psi | 2413 / 350 |
| | LOW PRESSURE SWITCH | TYPE | | N/A |
| | | OPEN | kPa/psi | N/A |
| | | CLOSE | kPa/psi | N/A |
| | PHASE SEQUENCER | | | YES |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 |

| MODEL | | | | MRT060AR | MRT080AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 2937 / 426 | |
| | | CLOSE | kPa/psi | 2413 / 350 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | YES |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 | 125 / 257 |

| MODEL | | | | MRT100AR | MRT120AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 2937 / 426 | |
| | | CLOSE | kPa/psi | 2413 / 350 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | YES |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 | 125 / 257 |

| MODEL | | | | MRT150AR | MRT200AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 2937 / 426 | |
| | | CLOSE | kPa/psi | 2413 / 350 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*

## Safety Devices (R22)

| MODEL | | | | MRT250AR | MRT300AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 2937 / 426 | |
| | | CLOSE | kPa/psi | 2413 / 350 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

| MODEL | | | | MRT360AR | MRT420AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 2937 / 426 | |
| | | CLOSE | kPa/psi | 2413 / 350 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*

## Safety Devices (R407C)

| MODEL | | | | M4RT060A | M4RT080A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | N/A | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 | |

| MODEL | | | | M4RT100A | M4RT120A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | N/A | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 | |

| MODEL | | | | M4RT150A | M4RT200A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

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## Safety Devices (R407C)

| MODEL | | | | M4RT250A | M4RT300A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

| MODEL | | | | M4RT360A | M4RT420A |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

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## Safety Devices (R407C)

| MODEL | | | | M4RT060AR | M4RT080AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 | |

| MODEL | | | | M4RT100AR | M4RT120AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | 125 / 257 | |

| MODEL | | | | M4RT150AR | M4RT200AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*

## Safety Devices (R407C)

| MODEL | | | | M4RT250AR | M4RT300AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

| MODEL | | | | M4RT360AR | M4RT420AR |
|---|---|---|---|---|---|
| SAFETY DEVICE | HIGH PRESSURE SWITCH | TYPE | | NC | |
| | | OPEN | kPa/psi | 3241 / 470 | |
| | | CLOSE | kPa/psi | 2648 / 384 | |
| | LOW PRESSURE SWITCH | TYPE | | N/A | |
| | | OPEN | kPa/psi | N/A | |
| | | CLOSE | kPa/psi | N/A | |
| | PHASE SEQUENCER | | | YES | |
| | DISCHARGE THERMOSTAT SETTING | | °C / °F | N/A | |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*

# Performance Data

## Calculation Steps

*Interpolation* method can be used to get the total capacity, TC and sensible capacity, SC and power input, PI at those temperatures which are not stated out in the table. Extrapolation method are not allowed to be used to get the TC, SC and PI.

**Example:**

**Model:** MRT200A
**Indoor Condition:** 25°C DB, 17°C WB
**Outdoor Condition:** 37°C DB
**Fan Speed:** High (6710CFM)

**Solution:**

**Overall**

Based on the Performance Table

1. Refer to the Indoor DB column,
   - **25°C** is located between 24°C and 27°C for 16˚CWB (Thus, Interpolation need to be applied)
   - **25°C** is located between 24°C and 27°C for 19˚CWB (Thus, Interpolation need to be applied)

2. Refer to the Indoor WB column,
   - **17°C** is located between 16°CWB and 19°CWB for 25°CDB
     (Thus, Interpolation need to be applied)

3. Refer to the Outdoor DB column,
   - **37°C** is located between 35°C and 40°C. (Thus, Interpolation need to be applied)

Please follow the steps below in order to get the required capacity.

**1st Step**
**Interpolation of Indoor DB**

Find TC, SC, PI for

(a) Indoor: ***25°C DB***, 16°C WB
Outdoor: 35°C DB
(b) Indoor: ***25°C DB***, 19°C WB
Outdoor: 35°C DB

(c) Indoor: ***25°C DB***, 16°C WB
Outdoor: 40°C DB
(d) Indoor: ***25°C DB***, 19°C WB
Outdoor: 40°C DB

**2nd Step**
**Interpolation of Indoor WB**

Find TC, SC, PI for

(a) Indoor: 25°C DB, ***17°C WB***
Outdoor: 35°C DB

(b) Indoor: 25°C DB, ***17°C WB***
Outdoor: 40°C DB

**3rd Step**
**Interpolation of Outdoor DB**

Find TC, SC, PI for

(a) Indoor: 25°C DB, 17°C WB
Outdoor: ***37°C DB***

**Details:**

**1st Step:**

To obtain the Total capacity and Sensible capacity and Power input for

(a) **Indoor Condition: *25˚C DB***, 16˚C WB
**Outdoor Condition:** 35°C DB

| **Indoor WB ˚C** | **Indoor DB ˚C** | **Outdoor DB, ˚C** | | | |
|---|---|---|---|---|---|
| | | | **35** | | |
| | | | **TC (kW)** | **SHC (kW)** | **PI (kW)** |
| **16** | | | | | |
| | **24** | | 53.36 | 47.36 | 20.24 |
| | 25 | ...................... | $x_1$ | $y_1$ | $z_1$ |
| | **27** | | 54.44 | 54.22 | 20.33 |
| | | | | | |

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{27^o\ C - 24^o\ C}{27^o\ C - 25^o\ C} = \frac{54.44kW - 53.36kW}{54.44kW - x_1 kW}$$

$\Rightarrow x_1 = 53.72kW$

Sensible capacity, SHC

Interpolation Method:

$$\Rightarrow \frac{27^o\ C - 24^o\ C}{27^o\ C - 25^o\ C} = \frac{54.22kW - 47.36kW}{54.22kW - y_1 kW}$$

$\Rightarrow y_1 = 49.65kW$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{27^o\ C - 24^o\ C}{27^o\ C - 25^o\ C} = \frac{20.33kW - 20.24kW}{20.33kW - z_1 kW}$$

$\Rightarrow z_1 = 20.27kW$

(b) **Indoor Condition:** ***25˚C DB***, 16˚C WB
**Outdoor Condition:** 40°C DB

| **Indoor WB ˚C** | **Indoor DB ˚C** | **Outdoor DB, ˚C** | | | |
|---|---|---|---|---|---|
| | | | **40** | | |
| | | | **TC (kW)** | **SHC (kW)** | **PI (kW)** |
| **16** | | | | | |
| | **24** | | 48.02 | 43.38 | 21.89 |
| | 25 | …………………… | $x_2$ | $y_2$ | $z_2$ |
| | **27** | | 49.37 | 49.37 | 22.02 |
| | | | | | |

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{27^\circ C - 24^\circ C}{27^\circ C - 25^\circ C} = \frac{49.37kW - 48.02kW}{49.37kW - x_2 kW}$$

$\Rightarrow x_2 = 48.47kW$

Sensible capacity, SHC

Interpolation Method:

$$\Rightarrow \frac{27^\circ C - 24^\circ C}{27^\circ C - 25^\circ C} = \frac{49.37kW - 43.38kW}{49.37kW - y_2 kW}$$

$\Rightarrow y_2 = 45.38kW$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{27^\circ C - 24^\circ C}{27^\circ C - 25^\circ C} = \frac{22.02kW - 21.89kW}{22.02kW - z_2 kW}$$

$\Rightarrow z_2 = 21.93kW$

*** Repeat process (a) and (b) in 1st step for the condition below:**

(c) **Indoor Condition:** ***25˚C DB***, 19˚C WB
**Outdoor Condition:** 35°C DB

$\Rightarrow x_3 = 58.42kW$

$\Rightarrow y_3 = 39.60kW$

$\Rightarrow z_3 = 20.69kW$

(d) **Indoor Condition:** ***25˚C DB***, 19˚C WB
**Outdoor Condition:** 40°C DB

$\Rightarrow x_4 = 52.61kW$

$\Rightarrow y_4 = 36.24kW$

$\Rightarrow z_4 = 22.35kW$

**2 nd Step:**

To obtain the Total capacity, Sensible capacity and Power Input for

**(a) Indoor Condition:** 25°C DB, ***17°C WB***
**Outdoor Condition:** 35°C DB

| Indoor WB ˚C | Indoor DB ˚C | Outdoor DB,˚C | | | |
|---|---|---|---|---|---|
| | | | 35 | | |
| | | | TC (kW) | SHC (kW) | PI (kW) |
| | | | ⋮ | ⋮ | |
| 16 | 25 | | 53.72 | 49.65 | 20.27 |
| 17 | | ........................ | $x_5$ | $y_5$ | $z_5$ |
| 19 | | | 58.42 | 39.60 | 20.69 |

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{19ºC - 16ºC}{19ºC - 17ºC} = \frac{58.42kW - 53.72kW}{58.42kW - x_5 kW}$$

$$\Rightarrow x_5 = 55.29kW$$

Sensible capacity, SHC

Interpolation Method:

$$\Rightarrow \frac{19ºC - 16ºC}{19ºC - 17ºC} = \frac{39.60kW - 49.65kW}{39.60kW - y_5 kW}$$

$$\Rightarrow y_5 = 46.30kW$$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{19ºC - 16ºC}{19ºC - 17ºC} = \frac{20.69kW - 20.27kW}{20.69kW - z_5 kW}$$

$$\Rightarrow z_5 = 20.41kW$$

(b) **Indoor Condition:** 25°C DB, ***17°C WB***
**Outdoor Condition:** 40°C DB

| Indoor WB ˚C | Indoor DB ˚C | Outdoor DB,˚C | | | |
|---|---|---|---|---|---|
| | | | 40 | | |
| | | | TC (kW) | SHC (kW) | PI (kW) |
| | | | ⋮ | ⋮ | |
| 16 | 25 | | 48.47 | 45.38 | 21.93 |
| 17 | | ........................ | $x_6$ | $y_6$ | $z_6$ |
| 19 | | | 52.61 | 36.24 | 22.35 |

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{19^{o}C - 16^{o}C}{19^{o}C - 17^{o}C} = \frac{52.61kW - 48.47kW}{52.61kW - x_6 kW}$$

$\Rightarrow x_6 = 49.85kW$

Sensible capacity, SHC

Interpolation Method:

$$\Rightarrow \frac{19^{o}C - 16^{o}C}{19^{o}C - 17^{o}C} = \frac{36.24kW - 45.38kW}{36.24kW - y_6 kW}$$

$\Rightarrow y_6 = 42.33kW$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{19^{o}C - 16^{o}C}{19^{o}C - 17^{o}C} = \frac{22.35kW - 21.93kW}{22.35kW - z_6 kW}$$

$\Rightarrow z_6 = 22.07kW$

**3rd Step:**

To obtain the Total capacity and Sensible capacity for
**(a) Indoor Condition:** 25°C DB, 17°C WB
**Outdoor Condition:** 37°C DB

| Indoor WB ˚C | Indoor DB ˚C | Outdoor DB, ˚C | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 35 | | | 37 | | | 40 | | |
| | | | TC (kW) | SHC (kW) | PI (kW) | TC (kW) | SHC (kW) | PI (kW) | TC (kW) | SHC (kW) | PI (kW) |
| | | | | | | | | | | | |
| **25** | **17** | …… | 55.29 | 46.30 | 20.41 | x | y | z | 49.85 | 42.33 | 22.07 |

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{40^{o}\ C - 35^{o}\ C}{40^{o}\ C - 37^{o}C} = \frac{49.85kW - 55.29kW}{49.85kW - xkW}$$

$\Rightarrow x = 53.11kW$

Sensible capacity, SHC

Interpolation Method:

$$\Rightarrow \frac{40^{o}\ C - 35^{o}\ C}{40^{o}\ C - 37^{o}\ C} = \frac{42.33kW - 46.30kW}{42.33kW - ykW}$$

$\Rightarrow y = 44.71kW$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{40^{o}\ C - 35^{o}\ C}{40^{o}\ C - 37^{o}\ C} = \frac{22.07kW - 20.41kW}{22.07kW - zkW}$$

$\Rightarrow z = 21.07kW$

# Performance Table

## R22 Model

### (COOLING ONLY)

### Model: MRT055A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 1620 | 16°C | 21°C | 15.64 | 11.77 | 5.00 | 15.14 | 11.51 | 5.35 | 14.62 | 11.23 | 5.75 | 14.05 | 10.94 | 6.20 | 12.64 | 9.99 | 6.71 | 11.75 | 9.45 | 7.39 | 10.82 | 8.88 | 8.14 |
| | | 24°C | 15.70 | 14.02 | 5.01 | 15.20 | 13.72 | 5.35 | 14.68 | 13.42 | 5.75 | 14.12 | 13.09 | 6.21 | 12.71 | 11.98 | 6.72 | 11.81 | 11.38 | 7.40 | 10.88 | 10.78 | 8.15 |
| | | 27°C | 15.76 | 15.76 | 5.02 | 15.28 | 15.28 | 5.36 | 14.76 | 14.76 | 5.76 | 14.24 | 14.24 | 6.22 | 12.89 | 12.89 | 6.74 | 12.10 | 12.10 | 7.43 | 11.29 | 11.29 | 8.20 |
| | | 30°C | 16.38 | 16.38 | 5.06 | 15.97 | 15.97 | 5.42 | 15.53 | 15.53 | 5.83 | 15.05 | 15.05 | 6.30 | 13.67 | 13.67 | 6.83 | 12.86 | 12.86 | 7.53 | 12.02 | 12.02 | 8.30 |
| | 19°C | 24°C | 17.18 | 11.12 | 5.13 | 16.65 | 10.87 | 5.48 | 16.08 | 10.62 | 5.88 | 15.47 | 10.35 | 6.34 | 13.94 | 9.46 | 6.86 | 12.96 | 8.98 | 7.54 | 11.96 | 8.48 | 8.29 |
| | | 27°C | 17.23 | 12.99 | 5.13 | 16.69 | 12.72 | 5.48 | 16.12 | 12.44 | 5.89 | 15.52 | 12.14 | 6.35 | 13.99 | 11.12 | 6.86 | 13.01 | 10.58 | 7.55 | 12.02 | 10.03 | 8.30 |
| | | 30°C | 17.29 | 15.85 | 5.14 | 16.75 | 15.56 | 5.49 | 16.17 | 15.26 | 5.90 | 15.56 | 14.94 | 6.36 | 14.03 | 13.73 | 6.87 | 13.06 | 13.06 | 7.55 | 12.10 | 12.10 | 8.31 |
| | | 33°C | 17.39 | 17.39 | 5.15 | 16.90 | 16.90 | 5.50 | 16.40 | 16.40 | 5.92 | 15.91 | 15.91 | 6.39 | 14.47 | 14.47 | 6.92 | 13.63 | 13.63 | 7.63 | 12.77 | 12.77 | 8.41 |
| | 22°C | 27°C | 18.85 | 10.44 | 5.27 | 18.26 | 10.21 | 5.63 | 17.64 | 9.98 | 6.04 | 16.98 | 9.73 | 6.50 | 15.32 | 8.90 | 7.02 | 14.26 | 8.45 | 7.71 | 13.20 | 8.01 | 8.46 |
| | | 30°C | 18.88 | 12.91 | 5.27 | 18.28 | 12.65 | 5.63 | 17.67 | 12.39 | 6.04 | 17.02 | 12.10 | 6.50 | 15.35 | 11.09 | 7.02 | 14.30 | 10.57 | 7.71 | 13.24 | 10.04 | 8.47 |
| | | 33°C | 18.93 | 15.04 | 5.28 | 18.34 | 14.77 | 5.64 | 17.72 | 14.49 | 6.05 | 17.07 | 14.20 | 6.51 | 15.40 | 13.06 | 7.03 | 14.35 | 12.50 | 7.72 | 13.28 | 11.93 | 8.48 |
| | | 36°C | 18.99 | 17.13 | 5.28 | 18.39 | 16.86 | 5.64 | 17.77 | 16.57 | 6.05 | 17.12 | 16.28 | 6.52 | 15.46 | 15.00 | 7.03 | 14.47 | 14.29 | 7.73 | 13.53 | 13.53 | 8.51 |
| 1800 | 16°C | 21°C | 15.97 | 12.24 | 5.03 | 15.46 | 11.98 | 5.38 | 14.91 | 11.69 | 5.78 | 14.32 | 11.38 | 6.23 | 12.89 | 10.37 | 6.74 | 11.96 | 9.81 | 7.42 | 11.01 | 9.22 | 8.17 |
| | | 24°C | 16.05 | 14.59 | 5.04 | 15.54 | 14.29 | 5.38 | 14.99 | 13.98 | 5.78 | 14.41 | 13.64 | 6.24 | 12.97 | 12.50 | 6.75 | 12.03 | 11.88 | 7.43 | 11.09 | 11.09 | 8.17 |
| | | 27°C | 16.16 | 16.16 | 5.05 | 15.68 | 15.68 | 5.40 | 15.19 | 15.19 | 5.80 | 14.70 | 14.70 | 6.27 | 13.33 | 13.33 | 6.79 | 12.51 | 12.51 | 7.48 | 11.66 | 11.66 | 8.25 |
| | | 30°C | 17.00 | 17.00 | 5.12 | 16.56 | 16.56 | 5.47 | 16.09 | 16.09 | 5.89 | 15.59 | 15.59 | 6.36 | 14.16 | 14.16 | 6.88 | 13.30 | 13.30 | 7.58 | 12.43 | 12.43 | 8.36 |
| | 19°C | 24°C | 17.53 | 11.55 | 5.16 | 16.98 | 11.31 | 5.51 | 16.38 | 11.05 | 5.91 | 15.75 | 10.78 | 6.37 | 14.18 | 9.86 | 6.89 | 13.19 | 9.37 | 7.57 | 12.17 | 8.84 | 8.32 |
| | | 27°C | 17.60 | 13.52 | 5.16 | 17.04 | 13.25 | 5.52 | 16.45 | 12.96 | 5.92 | 15.83 | 12.66 | 6.38 | 14.26 | 11.60 | 6.89 | 13.26 | 11.05 | 7.58 | 12.24 | 10.49 | 8.33 |
| | | 30°C | 17.68 | 16.59 | 5.17 | 17.11 | 16.30 | 5.52 | 16.52 | 15.99 | 5.93 | 15.90 | 15.67 | 6.39 | 14.33 | 14.33 | 6.90 | 13.36 | 13.36 | 7.59 | 12.44 | 12.44 | 8.36 |
| | | 33°C | 17.96 | 17.96 | 5.19 | 17.50 | 17.50 | 5.56 | 17.01 | 17.01 | 5.98 | 16.50 | 16.50 | 6.45 | 15.00 | 15.00 | 6.98 | 14.11 | 14.11 | 7.69 | 13.21 | 13.21 | 8.47 |
| | 22°C | 27°C | 19.22 | 10.85 | 5.30 | 18.60 | 10.62 | 5.66 | 17.96 | 10.38 | 6.07 | 17.28 | 10.13 | 6.53 | 15.58 | 9.28 | 7.05 | 14.50 | 8.83 | 7.74 | 13.41 | 8.37 | 8.49 |
| | | 30°C | 19.26 | 13.47 | 5.31 | 18.65 | 13.20 | 5.66 | 18.01 | 12.92 | 6.07 | 17.33 | 12.63 | 6.54 | 15.63 | 11.58 | 7.05 | 14.56 | 11.04 | 7.74 | 13.47 | 10.50 | 8.50 |
| | | 33°C | 19.34 | 15.75 | 5.31 | 18.72 | 15.48 | 5.67 | 18.08 | 15.19 | 6.08 | 17.40 | 14.89 | 6.55 | 15.69 | 13.71 | 7.06 | 14.61 | 13.13 | 7.75 | 13.52 | 12.54 | 8.51 |
| | | 36°C | 19.40 | 18.01 | 5.32 | 18.79 | 17.73 | 5.68 | 18.15 | 17.42 | 6.09 | 17.52 | 17.05 | 6.56 | 15.89 | 15.76 | 7.09 | 14.94 | 14.94 | 7.79 | 14.01 | 14.01 | 8.58 |
| 1980 | 16°C | 21°C | 16.25 | 12.57 | 5.05 | 15.72 | 12.28 | 5.40 | 15.16 | 11.97 | 5.80 | 14.56 | 11.64 | 6.25 | 13.10 | 10.62 | 6.76 | 12.15 | 10.03 | 7.44 | 11.18 | 9.44 | 8.19 |
| | | 24°C | 16.36 | 14.98 | 5.06 | 15.82 | 14.68 | 5.41 | 15.26 | 14.36 | 5.81 | 14.66 | 14.03 | 6.26 | 13.18 | 12.85 | 6.77 | 12.23 | 12.23 | 7.45 | 11.28 | 11.28 | 8.20 |
| | | 27°C | 16.58 | 16.58 | 5.08 | 16.12 | 16.12 | 5.43 | 15.65 | 15.65 | 5.84 | 15.14 | 15.14 | 6.31 | 13.72 | 13.72 | 6.83 | 12.87 | 12.87 | 7.53 | 11.99 | 11.99 | 8.30 |
| | | 30°C | 17.55 | 17.55 | 5.16 | 17.08 | 17.08 | 5.52 | 16.59 | 16.59 | 5.94 | 16.07 | 16.07 | 6.41 | 14.58 | 14.58 | 6.93 | 13.70 | 13.70 | 7.63 | 12.79 | 12.79 | 8.41 |
| | 19°C | 24°C | 17.83 | 12.09 | 5.18 | 17.25 | 11.84 | 5.53 | 16.64 | 11.58 | 5.94 | 15.99 | 11.30 | 6.40 | 14.40 | 10.32 | 6.91 | 13.38 | 9.78 | 7.59 | 12.34 | 9.23 | 8.34 |
| | | 27°C | 17.92 | 14.15 | 5.19 | 17.34 | 13.87 | 5.54 | 16.73 | 13.58 | 5.95 | 16.08 | 13.26 | 6.41 | 14.48 | 12.16 | 6.92 | 13.46 | 11.59 | 7.60 | 12.42 | 11.01 | 8.36 |
| | | 30°C | 18.01 | 17.44 | 5.20 | 17.42 | 17.14 | 5.55 | 16.82 | 16.82 | 5.96 | 16.19 | 16.19 | 6.42 | 14.63 | 14.63 | 6.94 | 13.70 | 13.70 | 7.63 | 12.79 | 12.79 | 8.41 |
| | | 33°C | 18.54 | 18.54 | 5.24 | 18.06 | 18.06 | 5.61 | 17.55 | 17.55 | 6.03 | 17.01 | 17.01 | 6.50 | 15.46 | 15.46 | 7.04 | 14.54 | 14.54 | 7.74 | 13.61 | 13.61 | 8.52 |
| | 22°C | 27°C | 19.52 | 11.35 | 5.33 | 18.89 | 11.11 | 5.69 | 18.23 | 10.87 | 6.10 | 17.53 | 10.62 | 6.56 | 15.80 | 9.74 | 7.07 | 14.70 | 9.27 | 7.76 | 13.58 | 8.77 | 8.52 |
| | | 30°C | 19.59 | 14.11 | 5.33 | 18.96 | 13.83 | 5.69 | 18.30 | 13.54 | 6.10 | 17.61 | 13.24 | 6.57 | 15.87 | 12.15 | 7.08 | 14.77 | 11.59 | 7.77 | 13.66 | 11.03 | 8.53 |
| | | 33°C | 19.68 | 16.57 | 5.34 | 19.04 | 16.29 | 5.70 | 18.38 | 16.00 | 6.11 | 17.68 | 15.69 | 6.58 | 15.94 | 14.45 | 7.09 | 14.84 | 13.85 | 7.78 | 13.74 | 13.22 | 8.54 |
| | | 36°C | 19.78 | 18.98 | 5.35 | 19.18 | 18.63 | 5.71 | 18.58 | 18.22 | 6.13 | 17.98 | 17.74 | 6.61 | 16.35 | 16.31 | 7.14 | 15.40 | 15.40 | 7.86 | 14.44 | 14.44 | 8.64 |

### Model: MRT060A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 1620 | 16°C | 21°C | 17.09 | 11.25 | 4.40 | 16.55 | 11.00 | 4.70 | 15.97 | 10.74 | 5.05 | 15.35 | 10.46 | 5.45 | 13.82 | 9.55 | 5.90 | 12.83 | 9.03 | 6.50 | 11.82 | 8.49 | 7.16 |
| | | 24°C | 17.15 | 13.40 | 4.41 | 16.61 | 13.12 | 4.71 | 16.04 | 12.83 | 5.06 | 15.42 | 12.51 | 5.46 | 13.89 | 11.45 | 5.91 | 12.90 | 10.88 | 6.50 | 11.88 | 10.30 | 7.16 |
| | | 27°C | 17.22 | 15.42 | 4.41 | 16.69 | 15.14 | 4.71 | 16.13 | 14.82 | 5.07 | 15.56 | 14.44 | 5.47 | 14.08 | 13.15 | 5.93 | 13.22 | 12.35 | 6.54 | 12.33 | 11.52 | 7.21 |
| | | 30°C | 17.90 | 17.90 | 4.45 | 17.45 | 17.45 | 4.77 | 16.96 | 16.96 | 5.13 | 16.44 | 16.44 | 5.54 | 14.94 | 14.94 | 6.00 | 14.05 | 14.05 | 6.62 | 13.13 | 13.13 | 7.30 |
| | 19°C | 24°C | 18.77 | 10.63 | 4.51 | 18.19 | 10.40 | 4.82 | 17.56 | 10.15 | 5.17 | 16.90 | 9.89 | 5.58 | 15.23 | 9.04 | 6.03 | 14.16 | 8.58 | 6.63 | 13.07 | 8.11 | 7.29 |
| | | 27°C | 18.82 | 12.41 | 4.51 | 18.24 | 12.16 | 4.82 | 17.61 | 11.89 | 5.18 | 16.95 | 11.61 | 5.58 | 15.28 | 10.63 | 6.03 | 14.22 | 10.11 | 6.63 | 13.13 | 9.59 | 7.30 |
| | | 30°C | 18.89 | 15.15 | 4.52 | 18.30 | 14.87 | 4.83 | 17.67 | 14.59 | 5.18 | 17.00 | 14.28 | 5.59 | 15.33 | 13.13 | 6.04 | 14.27 | 12.55 | 6.64 | 13.22 | 11.92 | 7.31 |
| | | 33°C | 19.00 | 19.00 | 4.53 | 18.46 | 18.46 | 4.84 | 17.92 | 17.92 | 5.20 | 17.38 | 17.38 | 5.62 | 15.81 | 15.81 | 6.08 | 14.89 | 14.89 | 6.70 | 13.95 | 13.95 | 7.39 |
| | 22°C | 27°C | 20.60 | 9.98 | 4.63 | 19.95 | 9.76 | 4.95 | 19.27 | 9.54 | 5.31 | 18.56 | 9.30 | 5.72 | 16.74 | 8.51 | 6.17 | 15.58 | 8.08 | 6.78 | 14.42 | 7.66 | 7.44 |
| | | 30°C | 20.63 | 12.34 | 4.64 | 19.98 | 12.10 | 4.95 | 19.30 | 11.84 | 5.31 | 18.59 | 11.57 | 5.72 | 16.77 | 10.60 | 6.17 | 15.62 | 10.10 | 6.78 | 14.46 | 9.60 | 7.45 |
| | | 33°C | 20.68 | 14.38 | 4.64 | 20.04 | 14.12 | 4.95 | 19.36 | 13.86 | 5.32 | 18.65 | 13.58 | 5.72 | 16.82 | 12.49 | 6.18 | 15.68 | 11.95 | 6.79 | 14.51 | 11.40 | 7.45 |
| | | 36°C | 20.74 | 16.38 | 4.64 | 20.10 | 16.12 | 4.96 | 19.41 | 15.84 | 5.32 | 18.70 | 15.56 | 5.73 | 16.89 | 14.34 | 6.19 | 15.81 | 13.66 | 6.80 | 14.78 | 13.02 | 7.49 |
| 1800 | 16°C | 21°C | 17.45 | 11.70 | 4.42 | 16.89 | 11.45 | 4.73 | 16.29 | 11.18 | 5.08 | 15.65 | 10.87 | 5.48 | 14.08 | 9.92 | 5.92 | 13.07 | 9.37 | 6.52 | 12.03 | 8.82 | 7.18 |
| | | 24°C | 17.54 | 13.95 | 4.43 | 16.98 | 13.67 | 4.73 | 16.38 | 13.36 | 5.09 | 15.75 | 13.04 | 5.49 | 14.17 | 11.95 | 5.93 | 13.15 | 11.36 | 6.53 | 12.11 | 10.77 | 7.19 |
| | | 27°C | 17.66 | 16.17 | 4.44 | 17.14 | 15.82 | 4.74 | 16.60 | 15.41 | 5.10 | 16.06 | 14.93 | 5.51 | 14.57 | 13.61 | 5.97 | 13.67 | 12.81 | 6.58 | 12.74 | 11.99 | 7.26 |
| | | 30°C | 18.57 | 18.57 | 4.50 | 18.10 | 18.10 | 4.81 | 17.58 | 17.58 | 5.18 | 17.04 | 17.04 | 5.59 | 15.47 | 15.47 | 6.05 | 14.53 | 14.53 | 6.67 | 13.58 | 13.58 | 7.35 |
| | 19°C | 24°C | 19.16 | 11.05 | 4.54 | 18.55 | 10.81 | 4.84 | 17.90 | 10.56 | 5.20 | 17.21 | 10.30 | 5.60 | 15.50 | 9.43 | 6.05 | 14.41 | 8.95 | 6.65 | 13.29 | 8.45 | 7.32 |
| | | 27°C | 19.23 | 12.93 | 4.54 | 18.62 | 12.67 | 4.85 | 17.97 | 12.39 | 5.21 | 17.29 | 12.10 | 5.61 | 15.58 | 11.09 | 6.06 | 14.48 | 10.56 | 6.66 | 13.37 | 10.02 | 7.32 |
| | | 30°C | 19.32 | 15.86 | 4.55 | 18.70 | 15.58 | 4.86 | 18.05 | 15.28 | 5.21 | 17.37 | 14.98 | 5.62 | 15.66 | 13.77 | 6.07 | 14.60 | 13.09 | 6.68 | 13.59 | 12.32 | 7.35 |
| | | 33°C | 19.62 | 19.62 | 4.57 | 19.12 | 19.12 | 4.89 | 18.59 | 18.59 | 5.25 | 18.03 | 18.03 | 5.67 | 16.38 | 16.38 | 6.14 | 15.42 | 15.42 | 6.76 | 14.44 | 14.44 | 7.45 |
| | 22°C | 27°C | 20.99 | 10.37 | 4.66 | 20.32 | 10.15 | 4.98 | 19.62 | 9.92 | 5.34 | 18.88 | 9.68 | 5.74 | 17.02 | 8.87 | 6.20 | 15.84 | 8.44 | 6.80 | 14.65 | 8.00 | 7.47 |
| | | 30°C | 21.04 | 12.88 | 4.66 | 20.37 | 12.62 | 4.98 | 19.68 | 12.35 | 5.34 | 18.94 | 12.07 | 5.75 | 17.08 | 11.07 | 6.20 | 15.90 | 10.56 | 6.81 | 14.72 | 10.04 | 7.48 |
| | | 33°C | 21.13 | 15.06 | 4.67 | 20.46 | 14.80 | 4.99 | 19.75 | 14.52 | 5.35 | 19.01 | 14.24 | 5.76 | 17.14 | 13.11 | 6.21 | 15.97 | 12.55 | 6.82 | 14.77 | 11.99 | 7.48 |
| | | 36°C | 21.20 | 17.22 | 4.68 | 20.53 | 16.95 | 4.99 | 19.83 | 16.65 | 5.35 | 19.15 | 16.30 | 5.77 | 17.36 | 15.07 | 6.23 | 16.32 | 14.37 | 6.85 | 15.31 | 13.70 | 7.55 |
| 1980 | 16°C | 21°C | 17.76 | 12.02 | 4.44 | 17.17 | 11.74 | 4.75 | 16.56 | 11.45 | 5.10 | 15.91 | 11.13 | 5.50 | 14.31 | 10.15 | 5.94 | 13.27 | 9.59 | 6.54 | 12.21 | 9.03 | 7.20 |
| | | 24°C | 17.87 | 14.32 | 4.45 | 17.29 | 14.04 | 4.76 | 16.67 | 13.73 | 5.11 | 16.02 | 13.41 | 5.51 | 14.40 | 12.28 | 5.95 | 13.37 | 11.69 | 6.55 | 12.32 | 11.07 | 7.21 |
| | | 27°C | 18.12 | 16.70 | 4.47 | 17.62 | 16.42 | 4.78 | 17.10 | 16.10 | 5.14 | 16.54 | 15.73 | 5.55 | 14.99 | 14.30 | 6.01 | 14.06 | 13.48 | 6.62 | 13.10 | 12.61 | 7.30 |
| | | 30°C | 19.17 | 19.17 | 4.54 | 18.66 | 18.66 | 4.85 | 18.13 | 18.13 | 5.22 | 17.56 | 17.56 | 5.63 | 15.93 | 15.93 | 6.10 | 14.96 | 14.96 | 6.71 | 13.98 | 13.98 | 7.39 |
| | 19°C | 24°C | 19.48 | 11.56 | 4.56 | 18.85 | 11.32 | 4.87 | 18.18 | 11.07 | 5.22 | 17.47 | 10.80 | 5.63 | 15.73 | 9.87 | 6.07 | 14.62 | 9.35 | 6.68 | 13.48 | 8.82 | 7.34 |
| | | 27°C | 19.57 | 13.53 | 4.56 | 18.95 | 13.26 | 4.87 | 18.28 | 12.98 | 5.23 | 17.57 | 12.68 | 5.63 | 15.82 | 11.63 | 6.08 | 14.70 | 11.08 | 6.69 | 13.57 | 10.53 | 7.35 |
| | | 30°C | 19.68 | 16.67 | 4.57 | 19.03 | 16.38 | 4.88 | 18.38 | 16.08 | 5.24 | 17.69 | 15.73 | 5.64 | 15.99 | 14.38 | 6.10 | 14.97 | 13.58 | 6.71 | 13.98 | 12.69 | 7.39 |
| | | 33°C | 20.25 | 20.25 | 4.61 | 19.73 | 19.73 | 4.93 | 19.18 | 19.18 | 5.30 | 18.59 | 18.59 | 5.72 | 16.89 | 16.89 | 6.19 | 15.89 | 15.89 | 6.81 | 14.87 | 14.87 | 7.49 |
| | 22°C | 27°C | 21.33 | 10.85 | 4.68 | 20.64 | 10.62 | 5.00 | 19.91 | 10.39 | 5.36 | 19.16 | 10.16 | 5.77 | 17.26 | 9.31 | 6.22 | 16.06 | 8.86 | 6.82 | 14.84 | 8.39 | 7.49 |
| | | 30°C | 21.40 | 13.49 | 4.69 | 20.71 | 13.22 | 5.01 | 19.99 | 12.95 | 5.37 | 19.24 | 12.66 | 5.77 | 17.34 | 11.62 | 6.23 | 16.14 | 11.08 | 6.83 | 14.93 | 10.54 | 7.50 |
| | | 33°C | 21.50 | 15.84 | 4.70 | 20.81 | 15.57 | 5.01 | 20.08 | 15.29 | 5.37 | 19.32 | 15.00 | 5.78 | 17.41 | 13.81 | 6.24 | 16.21 | 13.24 | 6.84 | 15.01 | 12.64 | 7.51 |
| | | 36°C | 21.61 | 18.14 | 4.70 | 20.96 | 17.81 | 5.02 | 20.30 | 17.42 | 5.39 | 19.64 | 16.96 | 5.81 | 17.86 | 15.60 | 6.28 | 16.82 | 14.81 | 6.91 | 15.77 | 14.25 | 7.60 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (shaded) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT080A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 2543 | 16°C | 21°C | 23.17 | 16.35 | 6.35 | 22.44 | 15.98 | 6.79 | 21.66 | 15.60 | 7.30 | 20.82 | 15.20 | 7.87 | 18.74 | 13.87 | 8.52 | 17.40 | 13.12 | 9.38 | 16.03 | 12.34 | 10.34 |
| | | 24°C | 23.26 | 19.47 | 6.36 | 22.53 | 19.06 | 6.80 | 21.75 | 18.64 | 7.31 | 20.92 | 18.18 | 7.88 | 18.84 | 16.64 | 8.53 | 17.49 | 15.81 | 9.39 | 16.12 | 14.97 | 10.34 |
| | | 27°C | 23.35 | 22.41 | 6.37 | 22.64 | 21.99 | 6.81 | 21.88 | 21.54 | 7.31 | 21.10 | 20.98 | 7.90 | 19.10 | 19.10 | 8.56 | 17.92 | 17.92 | 9.44 | 16.72 | 16.72 | 10.41 |
| | | 30°C | 24.28 | 24.28 | 6.43 | 23.66 | 23.66 | 6.88 | 23.00 | 23.00 | 7.41 | 22.30 | 22.30 | 8.00 | 20.26 | 20.26 | 8.67 | 19.05 | 19.05 | 9.56 | 17.81 | 17.81 | 10.54 |
| | 19°C | 24°C | 25.46 | 15.44 | 6.51 | 24.67 | 15.11 | 6.96 | 23.82 | 14.75 | 7.47 | 22.92 | 14.37 | 8.05 | 20.65 | 13.14 | 8.70 | 19.20 | 12.47 | 9.57 | 17.73 | 11.79 | 10.53 |
| | | 27°C | 25.53 | 18.04 | 6.52 | 24.73 | 17.67 | 6.96 | 23.89 | 17.28 | 7.48 | 22.99 | 16.87 | 8.06 | 20.72 | 15.45 | 8.71 | 19.28 | 14.70 | 9.58 | 17.81 | 13.94 | 10.54 |
| | | 30°C | 25.62 | 22.01 | 6.53 | 24.82 | 21.61 | 6.97 | 23.96 | 21.19 | 7.49 | 23.06 | 20.75 | 8.07 | 20.79 | 19.08 | 8.72 | 19.36 | 18.24 | 9.59 | 17.92 | 17.33 | 10.55 |
| | | 33°C | 25.77 | 25.77 | 6.53 | 25.04 | 25.04 | 6.99 | 24.31 | 24.31 | 7.51 | 23.58 | 23.58 | 8.11 | 21.44 | 21.44 | 8.78 | 20.19 | 20.19 | 9.68 | 18.92 | 18.92 | 10.67 |
| | 22°C | 27°C | 27.93 | 14.51 | 6.69 | 27.05 | 14.19 | 7.14 | 26.13 | 13.86 | 7.67 | 25.16 | 13.51 | 8.25 | 22.70 | 12.36 | 8.91 | 21.13 | 11.74 | 9.78 | 19.56 | 11.13 | 10.75 |
| | | 30°C | 27.97 | 17.93 | 6.69 | 27.09 | 17.58 | 7.15 | 26.18 | 17.21 | 7.67 | 25.21 | 16.81 | 8.26 | 22.74 | 15.41 | 8.91 | 21.19 | 14.68 | 9.79 | 19.61 | 13.94 | 10.75 |
| | | 33°C | 28.05 | 20.90 | 6.70 | 27.18 | 20.52 | 7.15 | 26.26 | 20.13 | 7.68 | 25.29 | 19.73 | 8.27 | 22.82 | 18.14 | 8.92 | 21.26 | 17.36 | 9.80 | 19.68 | 16.57 | 10.76 |
| | | 36°C | 28.13 | 23.79 | 6.71 | 27.26 | 23.42 | 7.16 | 26.33 | 23.02 | 7.68 | 25.36 | 22.61 | 8.27 | 22.91 | 20.83 | 8.93 | 21.45 | 19.85 | 9.82 | 20.04 | 18.92 | 10.81 |
| 2826 | 16°C | 21°C | 23.66 | 17.00 | 6.39 | 22.90 | 16.64 | 6.82 | 22.09 | 16.24 | 7.33 | 21.22 | 15.80 | 7.91 | 19.10 | 14.41 | 8.55 | 17.73 | 13.62 | 9.41 | 16.32 | 12.81 | 10.37 |
| | | 24°C | 23.78 | 20.27 | 6.40 | 23.03 | 19.86 | 6.83 | 22.22 | 19.42 | 7.34 | 21.35 | 18.95 | 7.92 | 19.22 | 17.36 | 8.57 | 17.83 | 16.50 | 9.43 | 16.43 | 15.65 | 10.38 |
| | | 27°C | 23.95 | 23.50 | 6.41 | 23.24 | 22.99 | 6.85 | 22.51 | 22.40 | 7.37 | 21.79 | 21.70 | 7.96 | 19.76 | 19.76 | 8.62 | 18.53 | 18.53 | 9.50 | 17.28 | 17.28 | 10.48 |
| | | 30°C | 25.19 | 25.19 | 6.49 | 24.54 | 24.54 | 6.95 | 23.85 | 23.85 | 7.47 | 23.10 | 23.10 | 8.07 | 20.98 | 20.98 | 8.74 | 19.71 | 19.71 | 9.63 | 18.42 | 18.42 | 10.61 |
| | 19°C | 24°C | 25.98 | 16.05 | 6.55 | 25.16 | 15.71 | 6.99 | 24.27 | 15.35 | 7.51 | 23.34 | 14.97 | 8.09 | 21.02 | 13.70 | 8.74 | 19.54 | 13.01 | 9.61 | 18.03 | 12.27 | 10.56 |
| | | 27°C | 26.08 | 18.79 | 6.56 | 25.25 | 18.41 | 7.00 | 24.38 | 18.01 | 7.52 | 23.45 | 17.59 | 8.10 | 21.12 | 16.12 | 8.75 | 19.64 | 15.35 | 9.62 | 18.13 | 14.57 | 10.58 |
| | | 30°C | 26.20 | 23.04 | 6.57 | 25.36 | 22.64 | 7.01 | 24.47 | 22.21 | 7.53 | 23.55 | 21.76 | 8.11 | 21.23 | 20.00 | 8.76 | 19.80 | 19.03 | 9.64 | 18.43 | 17.90 | 10.61 |
| | | 33°C | 26.61 | 26.61 | 6.59 | 25.93 | 25.93 | 7.06 | 25.21 | 25.21 | 7.59 | 24.45 | 24.45 | 8.19 | 22.22 | 22.22 | 8.86 | 20.91 | 20.91 | 9.76 | 19.58 | 19.58 | 10.75 |
| | 22°C | 27°C | 28.47 | 15.07 | 6.73 | 27.56 | 14.75 | 7.18 | 26.61 | 14.42 | 7.71 | 25.60 | 14.07 | 8.29 | 23.08 | 12.89 | 8.95 | 21.49 | 12.26 | 9.82 | 19.87 | 11.63 | 10.78 |
| | | 30°C | 28.54 | 18.71 | 6.74 | 27.63 | 18.34 | 7.19 | 26.68 | 17.95 | 7.71 | 25.68 | 17.55 | 8.30 | 23.16 | 16.09 | 8.96 | 21.57 | 15.34 | 9.83 | 19.96 | 14.58 | 10.79 |
| | | 33°C | 28.65 | 21.88 | 6.74 | 27.74 | 21.50 | 7.20 | 26.79 | 21.11 | 7.72 | 25.78 | 20.69 | 8.31 | 23.25 | 19.04 | 8.97 | 21.66 | 18.24 | 9.84 | 20.03 | 17.42 | 10.81 |
| | | 36°C | 28.75 | 25.02 | 6.75 | 27.84 | 24.63 | 7.21 | 26.90 | 24.20 | 7.73 | 25.97 | 23.68 | 8.33 | 23.54 | 21.89 | 9.00 | 22.13 | 20.87 | 9.90 | 20.76 | 19.91 | 10.89 |
| 3109 | 16°C | 21°C | 24.08 | 17.47 | 6.42 | 23.29 | 17.06 | 6.85 | 22.46 | 16.63 | 7.36 | 21.58 | 16.17 | 7.94 | 19.41 | 14.75 | 8.58 | 18.00 | 13.94 | 9.45 | 16.57 | 13.12 | 10.40 |
| | | 24°C | 24.24 | 20.81 | 6.43 | 23.45 | 20.40 | 6.87 | 22.61 | 19.95 | 7.37 | 21.72 | 19.48 | 7.95 | 19.53 | 17.85 | 8.60 | 18.13 | 16.99 | 9.46 | 16.71 | 16.09 | 10.41 |
| | | 27°C | 24.57 | 24.26 | 6.45 | 23.89 | 23.86 | 6.90 | 23.19 | 23.19 | 7.42 | 22.43 | 22.43 | 8.01 | 20.33 | 20.33 | 8.67 | 19.07 | 19.07 | 9.56 | 17.77 | 17.77 | 10.53 |
| | | 30°C | 26.00 | 26.00 | 6.55 | 25.31 | 25.31 | 7.01 | 24.59 | 24.59 | 7.54 | 23.81 | 23.81 | 8.13 | 21.61 | 21.61 | 8.80 | 20.29 | 20.29 | 9.69 | 18.95 | 18.95 | 10.67 |
| | 19°C | 24°C | 26.41 | 16.80 | 6.58 | 25.56 | 16.45 | 7.03 | 24.65 | 16.09 | 7.54 | 23.70 | 15.69 | 8.12 | 21.33 | 14.34 | 8.77 | 19.82 | 13.59 | 9.64 | 18.29 | 12.82 | 10.59 |
| | | 27°C | 26.55 | 19.66 | 6.59 | 25.70 | 19.27 | 7.04 | 24.79 | 18.86 | 7.55 | 23.83 | 18.43 | 8.13 | 21.46 | 16.89 | 8.79 | 19.94 | 16.10 | 9.65 | 18.40 | 15.29 | 10.61 |
| | | 30°C | 26.69 | 24.23 | 6.60 | 25.81 | 23.81 | 7.05 | 24.93 | 23.36 | 7.56 | 24.00 | 22.85 | 8.15 | 21.68 | 20.90 | 8.81 | 20.30 | 19.73 | 9.69 | 18.96 | 18.44 | 10.67 |
| | | 33°C | 27.47 | 27.47 | 6.66 | 26.76 | 26.76 | 7.12 | 26.01 | 26.01 | 7.65 | 25.21 | 25.21 | 8.26 | 22.90 | 22.90 | 8.93 | 21.55 | 21.55 | 9.83 | 20.16 | 20.16 | 10.82 |
| | 22°C | 27°C | 28.93 | 15.76 | 6.76 | 27.99 | 15.44 | 7.22 | 27.01 | 15.10 | 7.74 | 25.98 | 14.76 | 8.33 | 23.41 | 13.53 | 8.98 | 21.78 | 12.88 | 9.85 | 20.13 | 12.19 | 10.81 |
| | | 30°C | 29.02 | 19.60 | 6.77 | 28.09 | 19.22 | 7.23 | 27.12 | 18.81 | 7.75 | 26.09 | 18.39 | 8.34 | 23.52 | 16.88 | 8.99 | 21.89 | 16.10 | 9.87 | 20.24 | 15.32 | 10.83 |
| | | 33°C | 29.16 | 23.02 | 6.78 | 28.22 | 22.63 | 7.24 | 27.24 | 22.22 | 7.76 | 26.20 | 21.79 | 8.35 | 23.62 | 20.07 | 9.01 | 21.99 | 19.23 | 9.88 | 20.36 | 18.36 | 10.84 |
| | | 36°C | 29.31 | 26.36 | 6.79 | 28.43 | 25.88 | 7.25 | 27.53 | 25.31 | 7.79 | 26.64 | 24.65 | 8.39 | 24.22 | 22.66 | 9.07 | 22.82 | 21.52 | 9.97 | 21.39 | 20.71 | 10.97 |

## Model: MRT100A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 3179 | 16°C | 21°C | 28.95 | 20.42 | 8.24 | 28.04 | 19.97 | 8.80 | 27.06 | 19.50 | 9.46 | 26.02 | 18.99 | 10.21 | 23.41 | 17.33 | 11.04 | 21.75 | 16.40 | 12.16 | 20.03 | 15.42 | 13.40 |
| | | 24°C | 29.07 | 24.33 | 8.24 | 28.15 | 23.82 | 8.81 | 27.18 | 23.29 | 9.47 | 26.14 | 22.72 | 10.22 | 23.54 | 20.79 | 11.06 | 21.86 | 19.76 | 12.17 | 20.14 | 18.71 | 13.41 |
| | | 27°C | 29.17 | 28.00 | 8.25 | 28.28 | 27.48 | 8.82 | 27.33 | 26.91 | 9.48 | 26.36 | 26.22 | 10.24 | 23.86 | 23.86 | 11.09 | 22.40 | 22.40 | 12.23 | 20.90 | 20.90 | 13.50 |
| | | 30°C | 30.33 | 30.33 | 8.34 | 29.57 | 29.57 | 8.92 | 28.74 | 28.74 | 9.60 | 27.86 | 27.86 | 10.37 | 25.31 | 25.31 | 11.24 | 23.80 | 23.80 | 12.39 | 22.25 | 22.25 | 13.66 |
| | 19°C | 24°C | 31.81 | 19.29 | 8.44 | 30.82 | 18.87 | 9.02 | 29.76 | 18.43 | 9.68 | 28.64 | 17.96 | 10.44 | 25.80 | 16.42 | 11.28 | 23.99 | 15.58 | 12.41 | 22.15 | 14.73 | 13.65 |
| | | 27°C | 31.89 | 22.54 | 8.45 | 30.90 | 22.08 | 9.03 | 29.85 | 21.59 | 9.69 | 28.73 | 21.07 | 10.45 | 25.89 | 19.30 | 11.29 | 24.09 | 18.36 | 12.42 | 22.26 | 17.41 | 13.66 |
| | | 30°C | 32.02 | 27.50 | 8.46 | 31.01 | 27.01 | 9.04 | 29.94 | 26.48 | 9.70 | 28.81 | 25.93 | 10.46 | 25.98 | 23.84 | 11.30 | 24.19 | 22.79 | 12.43 | 22.39 | 21.65 | 13.68 |
| | | 33°C | 32.20 | 32.20 | 8.47 | 31.28 | 31.28 | 9.06 | 30.37 | 30.37 | 9.74 | 29.46 | 29.46 | 10.52 | 26.79 | 26.79 | 11.39 | 25.23 | 25.23 | 12.55 | 23.64 | 23.64 | 13.83 |
| | 22°C | 27°C | 34.90 | 18.13 | 8.67 | 33.80 | 17.73 | 9.26 | 32.65 | 17.31 | 9.94 | 31.44 | 16.88 | 10.70 | 28.36 | 15.45 | 11.55 | 26.40 | 14.67 | 12.68 | 24.44 | 13.90 | 13.93 |
| | | 30°C | 34.95 | 22.41 | 8.68 | 33.85 | 21.96 | 9.27 | 32.71 | 21.50 | 9.94 | 31.50 | 21.00 | 10.70 | 28.42 | 19.25 | 11.56 | 26.47 | 18.34 | 12.69 | 24.51 | 17.42 | 13.94 |
| | | 33°C | 35.05 | 26.11 | 8.69 | 33.95 | 25.64 | 9.27 | 32.81 | 25.16 | 9.95 | 31.60 | 24.65 | 10.71 | 28.51 | 22.67 | 11.57 | 26.56 | 21.69 | 12.70 | 24.59 | 20.70 | 13.95 |
| | | 36°C | 35.15 | 29.73 | 8.69 | 34.05 | 29.26 | 9.28 | 32.89 | 28.77 | 9.96 | 31.69 | 28.26 | 10.72 | 28.62 | 26.03 | 11.58 | 26.80 | 24.81 | 12.73 | 25.05 | 23.64 | 14.01 |
| 3532 | 16°C | 21°C | 29.56 | 21.24 | 8.28 | 28.62 | 20.79 | 8.85 | 27.60 | 20.29 | 9.50 | 26.52 | 19.74 | 10.25 | 23.87 | 18.01 | 11.09 | 22.15 | 17.02 | 12.20 | 20.39 | 16.01 | 13.44 |
| | | 24°C | 29.72 | 25.33 | 8.29 | 28.77 | 24.81 | 8.86 | 27.76 | 24.26 | 9.52 | 26.68 | 23.68 | 10.27 | 24.01 | 21.69 | 11.10 | 22.28 | 20.62 | 12.22 | 20.52 | 19.55 | 13.45 |
| | | 27°C | 29.92 | 29.36 | 8.31 | 29.04 | 28.73 | 8.88 | 28.13 | 27.98 | 9.55 | 27.22 | 27.11 | 10.31 | 24.69 | 24.69 | 11.17 | 23.16 | 23.16 | 12.32 | 21.59 | 21.59 | 13.58 |
| | | 30°C | 31.47 | 31.47 | 8.42 | 30.67 | 30.67 | 9.01 | 29.79 | 29.79 | 9.69 | 28.87 | 28.87 | 10.46 | 26.21 | 26.21 | 11.33 | 24.63 | 24.63 | 12.48 | 23.01 | 23.01 | 13.76 |
| | 19°C | 24°C | 32.46 | 20.05 | 8.49 | 31.43 | 19.63 | 9.07 | 30.33 | 19.18 | 9.73 | 29.16 | 18.71 | 10.49 | 26.26 | 17.12 | 11.33 | 24.42 | 16.26 | 12.45 | 22.53 | 15.34 | 13.69 |
| | | 27°C | 32.58 | 23.47 | 8.50 | 31.55 | 23.00 | 9.08 | 30.46 | 22.50 | 9.74 | 29.30 | 21.98 | 10.50 | 26.39 | 20.14 | 11.34 | 24.54 | 19.18 | 12.47 | 22.66 | 18.20 | 13.71 |
| | | 30°C | 32.73 | 28.79 | 8.51 | 31.69 | 28.28 | 9.09 | 30.58 | 27.75 | 9.76 | 29.43 | 27.19 | 10.51 | 26.53 | 25.00 | 11.36 | 24.74 | 23.77 | 12.49 | 23.03 | 22.37 | 13.76 |
| | | 33°C | 33.24 | 33.24 | 8.55 | 32.39 | 32.39 | 9.15 | 31.50 | 31.50 | 9.84 | 30.54 | 30.54 | 10.62 | 27.76 | 27.76 | 11.49 | 26.13 | 26.13 | 12.65 | 24.47 | 24.47 | 13.94 |
| | 22°C | 27°C | 35.58 | 18.83 | 8.72 | 34.44 | 18.43 | 9.31 | 33.25 | 18.01 | 9.99 | 31.99 | 17.58 | 10.75 | 28.84 | 16.10 | 11.60 | 26.85 | 15.32 | 12.73 | 24.82 | 14.53 | 13.98 |
| | | 30°C | 35.66 | 23.38 | 8.73 | 34.52 | 22.91 | 9.32 | 33.34 | 22.43 | 10.00 | 32.09 | 21.92 | 10.76 | 28.94 | 20.11 | 11.61 | 26.95 | 19.17 | 12.74 | 24.93 | 18.22 | 13.99 |
| | | 33°C | 35.80 | 27.34 | 8.74 | 34.66 | 26.87 | 9.33 | 33.47 | 26.37 | 10.01 | 32.21 | 25.85 | 10.77 | 29.05 | 23.79 | 11.62 | 27.06 | 22.79 | 12.76 | 25.03 | 21.77 | 14.01 |
| | | 36°C | 35.92 | 31.26 | 8.75 | 34.78 | 30.78 | 9.34 | 33.61 | 30.23 | 10.02 | 32.45 | 29.59 | 10.79 | 29.41 | 27.35 | 11.66 | 27.65 | 26.08 | 12.83 | 25.94 | 24.87 | 14.12 |
| 3885 | 16°C | 21°C | 30.09 | 21.82 | 8.32 | 29.10 | 21.32 | 8.89 | 28.06 | 20.78 | 9.54 | 26.96 | 20.21 | 10.29 | 24.25 | 18.43 | 11.13 | 22.49 | 17.42 | 12.24 | 20.70 | 16.39 | 13.48 |
| | | 24°C | 30.28 | 26.01 | 8.33 | 29.30 | 25.48 | 8.90 | 28.25 | 24.93 | 9.56 | 27.14 | 24.35 | 10.31 | 24.41 | 22.30 | 11.15 | 22.65 | 21.23 | 12.26 | 20.88 | 20.11 | 13.49 |
| | | 27°C | 30.70 | 30.31 | 8.36 | 29.85 | 29.81 | 8.94 | 28.97 | 28.97 | 9.62 | 28.03 | 28.03 | 10.39 | 25.41 | 25.41 | 11.24 | 23.82 | 23.82 | 12.39 | 22.20 | 22.20 | 13.65 |
| | | 30°C | 32.49 | 32.49 | 8.49 | 31.63 | 31.63 | 9.08 | 30.72 | 30.72 | 9.77 | 29.75 | 29.75 | 10.54 | 27.00 | 27.00 | 11.41 | 25.36 | 25.36 | 12.56 | 23.68 | 23.68 | 13.84 |
| | 19°C | 24°C | 33.00 | 20.99 | 8.53 | 31.94 | 20.56 | 9.11 | 30.80 | 20.10 | 9.77 | 29.61 | 19.61 | 10.53 | 26.66 | 17.92 | 11.37 | 24.77 | 16.98 | 12.49 | 22.85 | 16.02 | 13.73 |
| | | 27°C | 33.17 | 24.57 | 8.54 | 32.11 | 24.08 | 9.12 | 30.97 | 23.56 | 9.79 | 29.78 | 23.02 | 10.54 | 26.81 | 21.11 | 11.39 | 24.91 | 20.11 | 12.51 | 22.99 | 19.11 | 13.75 |
| | | 30°C | 33.34 | 30.27 | 8.56 | 32.25 | 29.74 | 9.14 | 31.15 | 29.19 | 9.81 | 29.98 | 28.56 | 10.56 | 27.09 | 26.11 | 11.42 | 25.36 | 24.65 | 12.56 | 23.69 | 23.04 | 13.84 |
| | | 33°C | 34.32 | 34.32 | 8.63 | 33.43 | 33.43 | 9.23 | 32.50 | 32.50 | 9.92 | 31.50 | 31.50 | 10.71 | 28.62 | 28.62 | 11.58 | 26.92 | 26.92 | 12.74 | 25.19 | 25.19 | 14.03 |
| | 22°C | 27°C | 36.14 | 19.69 | 8.77 | 34.97 | 19.29 | 9.36 | 33.74 | 18.87 | 10.03 | 32.46 | 18.44 | 10.79 | 29.25 | 16.91 | 11.64 | 27.21 | 16.09 | 12.77 | 25.15 | 15.22 | 14.02 |
| | | 30°C | 36.26 | 24.49 | 8.78 | 35.10 | 24.01 | 9.37 | 33.88 | 23.51 | 10.04 | 32.60 | 22.98 | 10.81 | 29.38 | 21.09 | 11.66 | 27.35 | 20.12 | 12.79 | 25.29 | 19.14 | 14.04 |
| | | 33°C | 36.43 | 28.76 | 8.79 | 35.26 | 28.27 | 9.38 | 34.03 | 27.76 | 10.06 | 32.74 | 27.23 | 10.82 | 29.51 | 25.07 | 11.67 | 27.47 | 24.03 | 12.81 | 25.44 | 22.94 | 14.06 |
| | | 36°C | 36.62 | 32.94 | 8.81 | 35.52 | 32.33 | 9.40 | 34.40 | 31.62 | 10.09 | 33.29 | 30.80 | 10.88 | 30.26 | 28.32 | 11.75 | 28.51 | 26.89 | 12.93 | 26.73 | 25.88 | 14.22 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. [grey box] shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT120A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 3240 | 16°C | 21°C | 33.60 | 22.75 | 9.07 | 32.53 | 22.25 | 9.69 | 31.40 | 21.72 | 10.41 | 30.19 | 21.15 | 11.24 | 27.17 | 19.31 | 12.16 | 25.24 | 18.27 | 13.39 | 23.25 | 17.18 | 14.75 |
| | | 24°C | 33.73 | 27.10 | 9.08 | 32.67 | 26.54 | 9.70 | 31.54 | 25.94 | 10.43 | 30.33 | 25.31 | 11.25 | 27.31 | 23.16 | 12.17 | 25.36 | 22.01 | 13.40 | 23.37 | 20.84 | 14.76 |
| | | 27°C | 33.85 | 31.19 | 9.09 | 32.82 | 30.61 | 9.71 | 31.72 | 29.98 | 10.44 | 30.59 | 29.21 | 11.27 | 27.69 | 26.60 | 12.21 | 25.99 | 24.98 | 13.47 | 24.25 | 23.31 | 14.86 |
| | | 30°C | 35.20 | 35.20 | 9.18 | 34.31 | 34.31 | 9.82 | 33.35 | 33.35 | 10.57 | 32.33 | 32.33 | 11.42 | 29.37 | 29.37 | 12.37 | 27.62 | 27.62 | 13.64 | 25.82 | 25.82 | 15.04 |
| | 19°C | 24°C | 36.91 | 21.49 | 9.30 | 35.77 | 21.03 | 9.93 | 34.54 | 20.53 | 10.66 | 33.23 | 20.01 | 11.49 | 29.94 | 18.29 | 12.42 | 27.84 | 17.35 | 13.66 | 25.70 | 16.41 | 15.03 |
| | | 27°C | 37.01 | 25.11 | 9.30 | 35.86 | 24.59 | 9.94 | 34.63 | 24.05 | 10.67 | 33.34 | 23.48 | 11.50 | 30.05 | 21.50 | 12.43 | 27.95 | 20.45 | 13.67 | 25.83 | 19.40 | 15.04 |
| | | 30°C | 37.15 | 30.64 | 9.31 | 35.98 | 30.08 | 9.95 | 34.74 | 29.50 | 10.68 | 33.44 | 28.89 | 11.52 | 30.15 | 26.56 | 12.45 | 28.07 | 25.39 | 13.69 | 25.99 | 24.12 | 15.06 |
| | | 33°C | 37.37 | 37.37 | 9.33 | 36.30 | 36.30 | 9.97 | 35.24 | 35.24 | 10.72 | 34.18 | 34.18 | 11.58 | 31.09 | 31.09 | 12.54 | 29.28 | 29.28 | 13.82 | 27.43 | 27.43 | 15.23 |
| | 22°C | 27°C | 40.50 | 20.19 | 9.55 | 39.22 | 19.75 | 10.20 | 37.89 | 19.29 | 10.94 | 36.49 | 18.81 | 11.78 | 32.91 | 17.21 | 12.72 | 30.64 | 16.34 | 13.96 | 28.36 | 15.49 | 15.34 |
| | | 30°C | 40.56 | 24.96 | 9.55 | 39.28 | 24.47 | 10.20 | 37.96 | 23.95 | 10.94 | 36.56 | 23.40 | 11.78 | 32.98 | 21.45 | 12.72 | 30.72 | 20.43 | 13.97 | 28.44 | 19.41 | 15.34 |
| | | 33°C | 40.67 | 29.09 | 9.56 | 39.40 | 28.57 | 10.21 | 38.07 | 28.03 | 10.96 | 36.67 | 27.46 | 11.80 | 33.08 | 25.26 | 12.73 | 30.83 | 24.16 | 13.98 | 28.54 | 23.06 | 15.36 |
| | | 36°C | 40.79 | 33.12 | 9.57 | 39.52 | 32.60 | 10.22 | 38.17 | 32.04 | 10.97 | 36.78 | 31.48 | 11.81 | 33.21 | 29.00 | 12.75 | 31.10 | 27.64 | 14.01 | 29.06 | 26.34 | 15.43 |
| 3600 | 16°C | 21°C | 34.31 | 23.67 | 9.12 | 33.21 | 23.16 | 9.74 | 32.02 | 22.61 | 10.46 | 30.77 | 21.99 | 11.29 | 27.69 | 20.06 | 12.21 | 25.70 | 18.96 | 13.44 | 23.66 | 17.83 | 14.80 |
| | | 24°C | 34.48 | 28.21 | 9.13 | 33.39 | 27.64 | 9.75 | 32.21 | 27.03 | 10.48 | 30.96 | 26.38 | 11.30 | 27.86 | 24.16 | 12.22 | 25.85 | 22.97 | 13.45 | 23.82 | 21.78 | 14.81 |
| | | 27°C | 34.72 | 32.71 | 9.14 | 33.69 | 32.00 | 9.78 | 32.64 | 31.17 | 10.51 | 31.59 | 30.20 | 11.36 | 28.65 | 27.53 | 12.30 | 26.87 | 25.90 | 13.56 | 25.06 | 24.24 | 14.95 |
| | | 30°C | 36.52 | 36.52 | 9.27 | 35.58 | 35.58 | 9.92 | 34.57 | 34.57 | 10.67 | 33.50 | 33.50 | 11.52 | 30.41 | 30.41 | 12.47 | 28.58 | 28.58 | 13.74 | 26.71 | 26.71 | 15.14 |
| | 19°C | 24°C | 37.67 | 22.34 | 9.35 | 36.48 | 21.87 | 9.98 | 35.19 | 21.37 | 10.72 | 33.84 | 20.84 | 11.55 | 30.47 | 19.07 | 12.48 | 28.34 | 18.11 | 13.71 | 26.14 | 17.09 | 15.08 |
| | | 27°C | 37.81 | 26.15 | 9.36 | 36.62 | 25.62 | 9.99 | 35.34 | 25.07 | 10.73 | 34.00 | 24.48 | 11.56 | 30.63 | 22.43 | 12.49 | 28.48 | 21.36 | 13.73 | 26.29 | 20.27 | 15.09 |
| | | 30°C | 37.98 | 32.07 | 9.37 | 36.77 | 31.51 | 10.01 | 35.48 | 30.91 | 10.74 | 34.15 | 30.29 | 11.58 | 30.79 | 27.84 | 12.51 | 28.71 | 26.48 | 13.75 | 26.72 | 24.92 | 15.15 |
| | | 33°C | 38.58 | 38.58 | 9.41 | 37.59 | 37.59 | 10.07 | 36.55 | 36.55 | 10.83 | 35.44 | 35.44 | 11.69 | 32.22 | 32.22 | 12.65 | 30.32 | 30.32 | 13.93 | 28.39 | 28.39 | 15.34 |
| | 22°C | 27°C | 41.28 | 20.97 | 9.61 | 39.96 | 20.53 | 10.25 | 38.58 | 20.07 | 11.00 | 37.12 | 19.58 | 11.84 | 33.47 | 17.94 | 12.77 | 31.15 | 17.07 | 14.02 | 28.80 | 16.18 | 15.39 |
| | | 30°C | 41.38 | 26.05 | 9.61 | 40.06 | 25.53 | 10.26 | 38.69 | 24.99 | 11.01 | 37.24 | 24.42 | 11.85 | 33.58 | 22.40 | 12.78 | 31.27 | 21.35 | 14.03 | 28.93 | 20.30 | 15.40 |
| | | 33°C | 41.54 | 30.46 | 9.62 | 40.22 | 29.93 | 10.27 | 38.84 | 29.38 | 11.02 | 37.38 | 28.80 | 11.86 | 33.71 | 26.51 | 12.80 | 31.40 | 25.38 | 14.05 | 29.05 | 24.25 | 15.42 |
| | | 36°C | 41.68 | 34.83 | 9.64 | 40.36 | 34.29 | 10.29 | 39.00 | 33.68 | 11.03 | 37.65 | 32.96 | 11.88 | 34.13 | 30.47 | 12.84 | 32.09 | 29.05 | 14.12 | 30.10 | 27.71 | 15.55 |
| 3960 | 16°C | 21°C | 34.91 | 24.31 | 9.16 | 33.77 | 23.75 | 9.78 | 32.56 | 23.15 | 10.51 | 31.29 | 22.51 | 11.33 | 28.14 | 20.53 | 12.25 | 26.10 | 19.40 | 13.48 | 24.02 | 18.25 | 14.84 |
| | | 24°C | 35.14 | 28.97 | 9.17 | 34.00 | 28.39 | 9.80 | 32.79 | 27.77 | 10.52 | 31.50 | 27.12 | 11.35 | 28.32 | 24.85 | 12.27 | 26.28 | 23.65 | 13.50 | 24.22 | 22.40 | 14.86 |
| | | 27°C | 35.63 | 33.77 | 9.21 | 34.64 | 33.21 | 9.85 | 33.62 | 32.56 | 10.59 | 32.53 | 31.82 | 11.43 | 29.48 | 28.93 | 12.38 | 27.64 | 27.26 | 13.64 | 25.76 | 25.51 | 15.03 |
| | | 30°C | 37.70 | 37.70 | 9.35 | 36.70 | 36.70 | 10.00 | 35.65 | 35.65 | 10.75 | 34.52 | 34.52 | 11.61 | 31.33 | 31.33 | 12.56 | 29.42 | 29.42 | 13.83 | 27.48 | 27.48 | 15.23 |
| | 19°C | 24°C | 38.30 | 23.38 | 9.39 | 37.06 | 22.90 | 10.03 | 35.75 | 22.39 | 10.76 | 34.36 | 21.85 | 11.59 | 30.93 | 19.96 | 12.52 | 28.74 | 18.91 | 13.76 | 26.51 | 17.84 | 15.12 |
| | | 27°C | 38.49 | 27.37 | 9.41 | 37.26 | 26.83 | 10.04 | 35.94 | 26.25 | 10.78 | 34.56 | 25.65 | 11.61 | 31.11 | 23.51 | 12.54 | 28.91 | 22.41 | 13.78 | 26.68 | 21.29 | 15.14 |
| | | 30°C | 38.69 | 33.72 | 9.42 | 37.43 | 33.13 | 10.06 | 36.14 | 32.51 | 10.80 | 34.79 | 31.81 | 11.63 | 31.44 | 29.09 | 12.57 | 29.43 | 27.46 | 13.83 | 27.49 | 25.67 | 15.23 |
| | | 33°C | 39.83 | 39.83 | 9.50 | 38.79 | 38.79 | 10.16 | 37.71 | 37.71 | 10.92 | 36.55 | 36.55 | 11.79 | 33.21 | 33.21 | 12.75 | 31.24 | 31.24 | 14.03 | 29.23 | 29.23 | 15.44 |
| | 22°C | 27°C | 41.94 | 21.94 | 9.65 | 40.58 | 21.49 | 10.30 | 39.15 | 21.02 | 11.04 | 37.67 | 20.54 | 11.88 | 33.94 | 18.84 | 12.82 | 31.58 | 17.93 | 14.06 | 29.18 | 16.96 | 15.43 |
| | | 30°C | 42.08 | 27.28 | 9.66 | 40.73 | 26.75 | 10.31 | 39.31 | 26.19 | 11.06 | 37.83 | 25.60 | 11.90 | 34.10 | 23.49 | 12.83 | 31.74 | 22.41 | 14.08 | 29.35 | 21.33 | 15.45 |
| | | 33°C | 42.28 | 32.04 | 9.68 | 40.91 | 31.50 | 10.33 | 39.49 | 30.93 | 11.07 | 37.99 | 30.33 | 11.92 | 34.24 | 27.93 | 12.85 | 31.88 | 26.77 | 14.10 | 29.52 | 25.55 | 15.48 |
| | | 36°C | 42.49 | 36.70 | 9.69 | 41.22 | 36.02 | 10.35 | 39.92 | 35.22 | 11.11 | 38.63 | 34.31 | 11.97 | 35.12 | 31.54 | 12.94 | 33.08 | 29.95 | 14.23 | 31.02 | 28.83 | 15.66 |

## Model: MRT150A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 5086 | 16°C | 21°C | 43.48 | 30.67 | 12.24 | 42.10 | 29.99 | 13.08 | 40.64 | 29.28 | 14.05 | 39.07 | 28.51 | 15.17 | 35.16 | 26.03 | 16.41 | 32.66 | 24.63 | 18.07 | 30.08 | 23.16 | 19.91 |
| | | 24°C | 43.65 | 36.53 | 12.25 | 42.27 | 35.77 | 13.09 | 40.81 | 34.97 | 14.07 | 39.25 | 34.12 | 15.18 | 35.34 | 31.23 | 16.43 | 32.82 | 29.67 | 18.09 | 30.24 | 28.09 | 19.92 |
| | | 27°C | 43.81 | 42.05 | 12.26 | 42.47 | 41.27 | 13.11 | 41.05 | 40.41 | 14.09 | 39.59 | 39.37 | 15.21 | 35.84 | 35.84 | 16.48 | 33.63 | 33.63 | 18.17 | 31.38 | 31.38 | 20.05 |
| | | 30°C | 45.55 | 45.55 | 12.38 | 44.40 | 44.40 | 13.25 | 43.16 | 43.16 | 14.26 | 41.84 | 41.84 | 15.41 | 38.01 | 38.01 | 16.69 | 35.74 | 35.74 | 18.40 | 33.42 | 33.42 | 20.30 |
| | 19°C | 24°C | 47.77 | 28.97 | 12.55 | 46.29 | 28.34 | 13.40 | 44.70 | 27.67 | 14.39 | 43.01 | 26.97 | 15.51 | 38.74 | 24.65 | 16.76 | 36.02 | 23.39 | 18.43 | 33.27 | 22.12 | 20.28 |
| | | 27°C | 47.89 | 33.85 | 12.55 | 46.40 | 33.15 | 13.41 | 44.82 | 32.42 | 14.40 | 43.14 | 31.65 | 15.52 | 38.88 | 28.98 | 16.78 | 36.18 | 27.57 | 18.45 | 33.42 | 26.15 | 20.29 |
| | | 30°C | 48.08 | 41.30 | 12.57 | 46.56 | 40.55 | 13.43 | 44.96 | 39.77 | 14.42 | 43.27 | 38.94 | 15.54 | 39.02 | 35.80 | 16.80 | 36.32 | 34.23 | 18.47 | 33.63 | 32.51 | 20.32 |
| | | 33°C | 48.36 | 48.36 | 12.59 | 46.98 | 46.98 | 13.46 | 45.61 | 45.61 | 14.47 | 44.24 | 44.24 | 15.62 | 40.23 | 40.23 | 16.92 | 37.89 | 37.89 | 18.64 | 35.49 | 35.49 | 20.55 |
| | 22°C | 27°C | 52.41 | 27.22 | 12.89 | 50.76 | 26.62 | 13.76 | 49.03 | 26.00 | 14.76 | 47.22 | 25.35 | 15.90 | 42.59 | 23.20 | 17.16 | 39.65 | 22.03 | 18.84 | 36.70 | 20.88 | 20.70 |
| | | 30°C | 52.49 | 33.65 | 12.89 | 50.84 | 32.98 | 13.77 | 49.12 | 32.29 | 14.77 | 47.31 | 31.54 | 15.90 | 42.68 | 28.91 | 17.17 | 39.76 | 27.54 | 18.85 | 36.80 | 26.16 | 20.71 |
| | | 33°C | 52.63 | 39.21 | 12.90 | 50.99 | 38.51 | 13.78 | 49.27 | 37.78 | 14.78 | 47.45 | 37.02 | 15.92 | 42.81 | 34.05 | 17.18 | 39.89 | 32.57 | 18.87 | 36.93 | 31.09 | 20.73 |
| | | 36°C | 52.78 | 44.65 | 12.92 | 51.14 | 43.94 | 13.79 | 49.40 | 43.20 | 14.80 | 47.59 | 42.43 | 15.93 | 42.98 | 39.09 | 17.20 | 40.24 | 37.25 | 18.91 | 37.61 | 35.51 | 20.82 |
| 5651 | 16°C | 21°C | 44.40 | 31.90 | 12.30 | 42.97 | 31.22 | 13.14 | 41.44 | 30.48 | 14.12 | 39.82 | 29.65 | 15.23 | 35.84 | 27.04 | 16.47 | 33.26 | 25.56 | 18.13 | 30.62 | 24.04 | 19.97 |
| | | 24°C | 44.63 | 38.03 | 12.32 | 43.20 | 37.26 | 13.16 | 41.69 | 36.44 | 14.14 | 40.07 | 35.56 | 15.25 | 36.06 | 32.57 | 16.50 | 33.45 | 30.97 | 18.16 | 30.82 | 29.36 | 19.99 |
| | | 27°C | 44.94 | 44.09 | 12.34 | 43.60 | 43.14 | 13.19 | 42.24 | 42.02 | 14.19 | 40.88 | 40.71 | 15.32 | 37.07 | 37.07 | 16.60 | 34.78 | 34.78 | 18.30 | 32.42 | 32.42 | 20.18 |
| | | 30°C | 47.27 | 47.27 | 12.51 | 46.05 | 46.05 | 13.38 | 44.74 | 44.74 | 14.39 | 43.35 | 43.35 | 15.54 | 39.36 | 39.36 | 16.83 | 36.99 | 36.99 | 18.54 | 34.56 | 34.56 | 20.44 |
| | 19°C | 24°C | 48.75 | 30.11 | 12.62 | 47.20 | 29.48 | 13.47 | 45.55 | 28.80 | 14.46 | 43.80 | 28.09 | 15.58 | 39.44 | 25.70 | 16.84 | 36.67 | 24.41 | 18.50 | 33.83 | 23.03 | 20.34 |
| | | 27°C | 48.93 | 35.25 | 12.63 | 47.38 | 34.54 | 13.49 | 45.74 | 33.79 | 14.48 | 44.00 | 33.00 | 15.60 | 39.63 | 30.24 | 16.85 | 36.86 | 28.80 | 18.52 | 34.02 | 27.33 | 20.37 |
| | | 30°C | 49.15 | 43.24 | 12.65 | 47.58 | 42.47 | 13.51 | 45.92 | 41.67 | 14.50 | 44.19 | 40.84 | 15.62 | 39.84 | 37.54 | 16.88 | 37.15 | 35.70 | 18.56 | 34.58 | 33.59 | 20.44 |
| | | 33°C | 49.92 | 49.92 | 12.70 | 48.65 | 48.65 | 13.59 | 47.30 | 47.30 | 14.61 | 45.87 | 45.87 | 15.77 | 41.69 | 41.69 | 17.07 | 39.24 | 39.24 | 18.80 | 36.74 | 36.74 | 20.70 |
| | 22°C | 27°C | 53.42 | 28.27 | 12.96 | 51.71 | 27.67 | 13.84 | 49.93 | 27.05 | 14.84 | 48.04 | 26.40 | 15.97 | 43.31 | 24.18 | 17.23 | 40.31 | 23.01 | 18.92 | 37.28 | 21.81 | 20.77 |
| | | 30°C | 53.55 | 35.11 | 12.97 | 51.85 | 34.41 | 13.85 | 50.07 | 33.68 | 14.85 | 48.19 | 32.92 | 15.99 | 43.45 | 30.19 | 17.25 | 40.47 | 28.78 | 18.93 | 37.45 | 27.36 | 20.79 |
| | | 33°C | 53.76 | 41.06 | 12.99 | 52.06 | 40.35 | 13.87 | 50.26 | 39.60 | 14.87 | 48.37 | 38.82 | 16.01 | 43.63 | 35.73 | 17.27 | 40.63 | 34.22 | 18.95 | 37.59 | 32.69 | 20.81 |
| | | 36°C | 53.95 | 46.95 | 13.00 | 52.23 | 46.22 | 13.88 | 50.47 | 45.40 | 14.89 | 48.72 | 44.44 | 16.04 | 44.17 | 41.08 | 17.33 | 41.53 | 39.17 | 19.06 | 38.95 | 37.35 | 20.98 |
| 6216 | 16°C | 21°C | 45.18 | 32.77 | 12.36 | 43.70 | 32.01 | 13.20 | 42.14 | 31.20 | 14.18 | 40.49 | 30.35 | 15.29 | 36.42 | 27.67 | 16.53 | 33.78 | 26.15 | 18.19 | 31.08 | 24.61 | 20.02 |
| | | 24°C | 45.47 | 39.05 | 12.38 | 43.99 | 38.27 | 13.22 | 42.43 | 37.44 | 14.20 | 40.76 | 36.56 | 15.31 | 36.65 | 33.49 | 16.56 | 34.01 | 31.88 | 18.22 | 31.35 | 30.20 | 20.05 |
| | | 27°C | 46.11 | 45.52 | 12.42 | 44.83 | 44.77 | 13.29 | 43.51 | 43.51 | 14.29 | 42.09 | 42.09 | 15.43 | 38.15 | 38.15 | 16.71 | 35.77 | 35.77 | 18.41 | 33.34 | 33.34 | 20.29 |
| | | 30°C | 48.79 | 48.79 | 12.62 | 47.50 | 47.50 | 13.50 | 46.13 | 46.13 | 14.51 | 44.67 | 44.67 | 15.66 | 40.54 | 40.54 | 16.95 | 38.08 | 38.08 | 18.66 | 35.56 | 35.56 | 20.56 |
| | 19°C | 24°C | 49.56 | 31.52 | 12.68 | 47.96 | 30.87 | 13.53 | 46.26 | 30.18 | 14.52 | 44.46 | 29.45 | 15.64 | 40.03 | 26.91 | 16.89 | 37.19 | 25.50 | 18.56 | 34.31 | 24.06 | 20.40 |
| | | 27°C | 49.81 | 36.89 | 12.69 | 48.22 | 36.16 | 13.55 | 46.51 | 35.38 | 14.54 | 44.72 | 34.57 | 15.67 | 40.26 | 31.70 | 16.92 | 37.41 | 30.20 | 18.59 | 34.53 | 28.70 | 20.43 |
| | | 30°C | 50.07 | 45.46 | 12.71 | 48.44 | 44.67 | 13.58 | 46.77 | 43.83 | 14.57 | 45.02 | 42.88 | 15.69 | 40.68 | 39.21 | 16.96 | 38.09 | 37.02 | 18.67 | 35.57 | 34.60 | 20.56 |
| | | 33°C | 51.54 | 51.54 | 12.82 | 50.21 | 50.21 | 13.71 | 48.80 | 48.80 | 14.74 | 47.30 | 47.30 | 15.90 | 42.97 | 42.97 | 17.20 | 40.43 | 40.43 | 18.93 | 37.83 | 37.83 | 20.84 |
| | 22°C | 27°C | 54.27 | 29.57 | 13.03 | 52.52 | 28.97 | 13.90 | 50.67 | 28.34 | 14.90 | 48.74 | 27.69 | 16.04 | 43.93 | 25.39 | 17.30 | 40.87 | 24.16 | 18.98 | 37.76 | 22.86 | 20.83 |
| | | 30°C | 54.45 | 36.78 | 13.04 | 52.70 | 36.06 | 13.92 | 50.88 | 35.30 | 14.92 | 48.95 | 34.51 | 16.06 | 44.12 | 31.67 | 17.32 | 41.07 | 30.21 | 19.00 | 37.98 | 28.75 | 20.85 |
| | | 33°C | 54.71 | 43.19 | 13.06 | 52.95 | 42.46 | 13.94 | 51.10 | 41.69 | 14.95 | 49.17 | 40.89 | 16.08 | 44.31 | 37.65 | 17.34 | 41.25 | 36.09 | 19.03 | 38.20 | 34.45 | 20.89 |
| | | 36°C | 54.99 | 49.47 | 13.08 | 53.34 | 48.55 | 13.97 | 51.66 | 47.48 | 14.99 | 49.99 | 46.25 | 16.16 | 45.44 | 42.52 | 17.46 | 42.81 | 40.38 | 19.21 | 40.14 | 38.86 | 21.13 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (shaded) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT200A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 6039 | 16°C | 21°C | 57.91 | 40.85 | 16.24 | 56.07 | 39.94 | 17.35 | 54.12 | 38.99 | 18.65 | 52.03 | 37.98 | 20.12 | 46.82 | 34.67 | 21.77 | 43.49 | 32.80 | 23.97 | 40.07 | 30.84 | 26.41 |
| | | 24°C | 58.13 | 48.65 | 16.25 | 56.30 | 47.64 | 17.37 | 54.35 | 46.57 | 18.67 | 52.28 | 45.44 | 20.15 | 47.07 | 41.59 | 21.80 | 43.71 | 39.52 | 24.00 | 40.28 | 37.41 | 26.43 |
| | | 27°C | 58.35 | 56.00 | 16.27 | 56.57 | 54.96 | 17.39 | 54.67 | 53.83 | 18.69 | 52.73 | 52.44 | 20.19 | 47.73 | 47.73 | 21.86 | 44.79 | 44.79 | 24.12 | 41.79 | 41.79 | 26.61 |
| | | 30°C | 60.66 | 60.66 | 16.43 | 59.13 | 59.13 | 17.59 | 57.49 | 57.49 | 18.92 | 55.73 | 55.73 | 20.45 | 50.62 | 50.62 | 22.15 | 47.60 | 47.60 | 24.42 | 44.50 | 44.50 | 26.93 |
| | 19°C | 24°C | 63.62 | 38.59 | 16.65 | 61.65 | 37.75 | 17.78 | 59.53 | 36.86 | 19.09 | 57.28 | 35.92 | 20.58 | 51.60 | 32.83 | 22.24 | 47.98 | 31.16 | 24.46 | 44.30 | 29.45 | 26.91 |
| | | 27°C | 63.79 | 45.08 | 16.66 | 61.80 | 44.16 | 17.79 | 59.69 | 43.18 | 19.11 | 57.46 | 42.15 | 20.60 | 51.79 | 38.60 | 22.26 | 48.18 | 36.72 | 24.48 | 44.51 | 34.82 | 26.93 |
| | | 30°C | 64.03 | 55.01 | 16.68 | 62.01 | 54.01 | 17.81 | 59.88 | 52.96 | 19.13 | 57.63 | 51.86 | 20.62 | 51.96 | 47.68 | 22.29 | 48.37 | 45.59 | 24.51 | 44.79 | 43.30 | 26.97 |
| | | 33°C | 64.40 | 64.40 | 16.70 | 62.57 | 62.57 | 17.85 | 60.74 | 60.74 | 19.20 | 58.92 | 58.92 | 20.73 | 53.58 | 53.58 | 22.45 | 50.46 | 50.46 | 24.74 | 47.27 | 47.27 | 27.27 |
| | 22°C | 27°C | 69.81 | 36.25 | 17.10 | 67.60 | 35.45 | 18.26 | 65.30 | 34.63 | 19.59 | 62.89 | 33.77 | 21.09 | 56.72 | 30.89 | 22.77 | 52.81 | 29.34 | 25.00 | 48.88 | 27.81 | 27.46 |
| | | 30°C | 69.90 | 44.81 | 17.11 | 67.70 | 43.92 | 18.27 | 65.42 | 43.00 | 19.60 | 63.01 | 42.00 | 21.10 | 56.84 | 38.51 | 22.78 | 52.95 | 36.68 | 25.01 | 49.02 | 34.84 | 27.48 |
| | | 33°C | 70.10 | 52.22 | 17.12 | 67.91 | 51.29 | 18.28 | 65.62 | 50.32 | 19.62 | 63.20 | 49.30 | 21.12 | 57.02 | 45.34 | 22.80 | 53.13 | 43.38 | 25.04 | 49.19 | 41.41 | 27.50 |
| | | 36°C | 70.30 | 59.46 | 17.14 | 68.11 | 58.52 | 18.30 | 65.79 | 57.53 | 19.64 | 63.38 | 56.51 | 21.14 | 57.24 | 52.06 | 22.83 | 53.59 | 49.61 | 25.09 | 50.09 | 47.29 | 27.62 |
| 6710 | 16°C | 21°C | 59.13 | 42.49 | 16.32 | 57.23 | 41.58 | 17.44 | 55.19 | 40.59 | 18.74 | 53.04 | 39.49 | 20.21 | 47.73 | 36.01 | 21.86 | 44.30 | 34.04 | 24.06 | 40.78 | 32.01 | 26.50 |
| | | 24°C | 59.44 | 50.65 | 16.35 | 57.54 | 49.62 | 17.47 | 55.52 | 48.53 | 18.76 | 53.36 | 47.36 | 20.24 | 48.02 | 43.38 | 21.89 | 44.56 | 41.24 | 24.09 | 41.05 | 39.10 | 26.52 |
| | | 27°C | 59.85 | 58.72 | 16.37 | 58.07 | 57.46 | 17.51 | 56.26 | 55.97 | 18.82 | 54.44 | 54.22 | 20.33 | 49.37 | 49.37 | 22.02 | 46.31 | 46.31 | 24.28 | 43.18 | 43.18 | 26.77 |
| | | 30°C | 62.95 | 62.95 | 16.60 | 61.33 | 61.33 | 17.76 | 59.59 | 59.59 | 19.10 | 57.74 | 57.74 | 20.63 | 52.42 | 52.42 | 22.33 | 49.26 | 49.26 | 24.60 | 46.03 | 46.03 | 27.12 |
| | 19°C | 24°C | 64.92 | 40.11 | 16.74 | 62.87 | 39.26 | 17.88 | 60.66 | 38.36 | 19.19 | 58.33 | 37.42 | 20.68 | 52.52 | 34.23 | 22.34 | 48.84 | 32.51 | 24.55 | 45.05 | 30.67 | 27.00 |
| | | 27°C | 65.17 | 46.95 | 16.76 | 63.11 | 46.00 | 17.90 | 60.92 | 45.00 | 19.21 | 58.60 | 43.95 | 20.70 | 52.79 | 40.27 | 22.36 | 49.09 | 38.35 | 24.58 | 45.31 | 36.40 | 27.03 |
| | | 30°C | 65.46 | 57.58 | 16.78 | 63.37 | 56.57 | 17.92 | 61.16 | 55.50 | 19.24 | 58.86 | 54.39 | 20.73 | 53.06 | 49.99 | 22.39 | 49.48 | 47.55 | 24.63 | 46.05 | 44.74 | 27.12 |
| | | 33°C | 66.49 | 66.49 | 16.85 | 64.79 | 64.79 | 18.03 | 62.99 | 62.99 | 19.39 | 61.09 | 61.09 | 20.93 | 55.52 | 55.52 | 22.65 | 52.26 | 52.26 | 24.94 | 48.93 | 48.93 | 27.47 |
| | 22°C | 27°C | 71.15 | 37.65 | 17.20 | 68.87 | 36.85 | 18.36 | 66.50 | 36.03 | 19.69 | 63.98 | 35.16 | 21.20 | 57.68 | 32.20 | 22.87 | 53.69 | 30.64 | 25.10 | 49.64 | 29.05 | 27.56 |
| | | 30°C | 71.32 | 46.76 | 17.21 | 69.05 | 45.83 | 18.37 | 66.68 | 44.86 | 19.71 | 64.18 | 43.84 | 21.21 | 57.87 | 40.21 | 22.89 | 53.90 | 38.33 | 25.12 | 49.87 | 36.44 | 27.58 |
| | | 33°C | 71.60 | 54.69 | 17.23 | 69.33 | 53.74 | 18.40 | 66.94 | 52.74 | 19.73 | 64.43 | 51.70 | 21.24 | 58.10 | 47.59 | 22.92 | 54.12 | 45.57 | 25.15 | 50.06 | 43.54 | 27.61 |
| | | 36°C | 71.85 | 62.53 | 17.25 | 69.57 | 61.56 | 18.42 | 67.22 | 60.46 | 19.76 | 64.89 | 59.18 | 21.28 | 58.82 | 54.71 | 22.99 | 55.31 | 52.16 | 25.29 | 51.88 | 49.75 | 27.84 |
| 7381 | 16°C | 21°C | 60.17 | 43.65 | 16.40 | 58.20 | 42.63 | 17.52 | 56.12 | 41.56 | 18.81 | 53.92 | 40.42 | 20.29 | 48.50 | 36.85 | 21.94 | 44.99 | 34.83 | 24.14 | 41.40 | 32.77 | 26.57 |
| | | 24°C | 60.56 | 52.01 | 16.43 | 58.59 | 50.97 | 17.55 | 56.51 | 49.86 | 18.85 | 54.29 | 48.69 | 20.32 | 48.82 | 44.61 | 21.97 | 45.30 | 42.46 | 24.17 | 41.75 | 40.21 | 26.60 |
| | | 27°C | 61.41 | 60.62 | 16.48 | 59.70 | 59.63 | 17.63 | 57.94 | 57.94 | 18.96 | 56.06 | 56.06 | 20.48 | 50.82 | 50.82 | 22.17 | 47.64 | 47.64 | 24.43 | 44.40 | 44.40 | 26.92 |
| | | 30°C | 64.97 | 64.97 | 16.74 | 63.26 | 63.26 | 17.91 | 61.44 | 61.44 | 19.26 | 59.50 | 59.50 | 20.78 | 53.99 | 53.99 | 22.49 | 50.71 | 50.71 | 24.77 | 47.36 | 47.36 | 27.28 |
| | 19°C | 24°C | 66.00 | 41.97 | 16.82 | 63.88 | 41.11 | 17.96 | 61.61 | 40.20 | 19.27 | 59.22 | 39.22 | 20.76 | 53.31 | 35.84 | 22.42 | 49.53 | 33.96 | 24.63 | 45.69 | 32.04 | 27.07 |
| | | 27°C | 66.34 | 49.13 | 16.84 | 64.21 | 48.16 | 17.98 | 61.94 | 47.12 | 19.30 | 59.56 | 46.05 | 20.79 | 53.62 | 42.22 | 22.45 | 49.83 | 40.23 | 24.67 | 45.98 | 38.22 | 27.11 |
| | | 30°C | 66.69 | 60.54 | 16.87 | 64.51 | 59.49 | 18.01 | 62.29 | 58.37 | 19.33 | 59.96 | 57.11 | 20.83 | 54.18 | 52.22 | 22.51 | 50.72 | 49.31 | 24.77 | 47.37 | 46.08 | 27.28 |
| | | 33°C | 68.64 | 68.64 | 17.01 | 66.86 | 66.86 | 18.20 | 64.99 | 64.99 | 19.56 | 63.00 | 63.00 | 21.10 | 57.23 | 57.23 | 22.83 | 53.84 | 53.84 | 25.12 | 50.39 | 50.39 | 27.65 |
| | 22°C | 27°C | 72.28 | 39.39 | 17.28 | 69.94 | 38.58 | 18.45 | 67.48 | 37.74 | 19.78 | 64.92 | 36.88 | 21.28 | 58.50 | 33.82 | 22.95 | 54.43 | 32.18 | 25.18 | 50.29 | 30.45 | 27.64 |
| | | 30°C | 72.52 | 48.98 | 17.30 | 70.19 | 48.02 | 18.47 | 67.76 | 47.02 | 19.80 | 65.20 | 45.97 | 21.31 | 58.77 | 42.18 | 22.98 | 54.70 | 40.24 | 25.21 | 50.59 | 38.29 | 27.67 |
| | | 33°C | 72.87 | 57.53 | 17.33 | 70.52 | 56.55 | 18.50 | 68.06 | 55.53 | 19.83 | 65.48 | 54.46 | 21.34 | 59.02 | 50.15 | 23.02 | 54.94 | 48.06 | 25.25 | 50.88 | 45.88 | 27.71 |
| | | 36°C | 73.23 | 65.88 | 17.36 | 71.04 | 64.66 | 18.54 | 68.80 | 63.24 | 19.90 | 66.58 | 61.59 | 21.44 | 60.52 | 56.63 | 23.17 | 57.02 | 53.78 | 25.49 | 53.46 | 51.76 | 28.04 |

## Model: MRT250A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 7200 | 16°C | 21°C | 72.40 | 51.07 | 21.62 | 70.11 | 49.94 | 23.10 | 67.67 | 48.75 | 24.83 | 65.06 | 47.48 | 26.79 | 58.54 | 43.35 | 28.99 | 54.38 | 41.01 | 31.92 | 50.10 | 38.56 | 35.17 |
| | | 24°C | 72.69 | 60.83 | 21.64 | 70.39 | 59.57 | 23.13 | 67.96 | 58.23 | 24.86 | 65.36 | 56.81 | 26.82 | 58.85 | 52.00 | 29.02 | 54.66 | 49.41 | 31.95 | 50.36 | 46.78 | 35.19 |
| | | 27°C | 72.95 | 70.02 | 21.67 | 70.73 | 68.72 | 23.16 | 68.35 | 67.30 | 24.89 | 65.93 | 65.56 | 26.87 | 59.68 | 59.68 | 29.11 | 56.01 | 56.01 | 32.11 | 52.25 | 52.25 | 35.43 |
| | | 30°C | 75.85 | 75.85 | 21.88 | 73.94 | 73.94 | 23.42 | 71.88 | 71.88 | 25.20 | 69.68 | 69.68 | 27.22 | 63.30 | 63.30 | 29.49 | 59.52 | 59.52 | 32.52 | 55.65 | 55.65 | 35.86 |
| | 19°C | 24°C | 79.55 | 48.25 | 22.16 | 77.08 | 47.20 | 23.67 | 74.43 | 46.08 | 25.42 | 71.62 | 44.91 | 27.40 | 64.52 | 41.05 | 29.62 | 59.99 | 38.96 | 32.57 | 55.39 | 36.83 | 35.82 |
| | | 27°C | 79.76 | 56.36 | 22.18 | 77.27 | 55.21 | 23.69 | 74.64 | 53.99 | 25.44 | 71.84 | 52.70 | 27.42 | 64.75 | 48.26 | 29.64 | 60.24 | 45.92 | 32.59 | 55.66 | 43.54 | 35.85 |
| | | 30°C | 80.06 | 68.78 | 22.20 | 77.54 | 67.53 | 23.72 | 74.88 | 66.22 | 25.47 | 72.05 | 64.85 | 27.45 | 64.97 | 59.61 | 29.67 | 60.48 | 57.00 | 32.63 | 56.00 | 54.14 | 35.90 |
| | | 33°C | 80.53 | 80.53 | 22.24 | 78.23 | 78.23 | 23.77 | 75.95 | 75.95 | 25.56 | 73.67 | 73.67 | 27.60 | 66.99 | 66.99 | 29.89 | 63.09 | 63.09 | 32.94 | 59.10 | 59.10 | 36.31 |
| | 22°C | 27°C | 87.28 | 45.33 | 22.77 | 84.52 | 44.33 | 24.31 | 81.65 | 43.30 | 26.08 | 78.63 | 42.22 | 28.08 | 70.92 | 38.63 | 30.32 | 66.03 | 36.69 | 33.29 | 61.12 | 34.77 | 36.56 |
| | | 30°C | 87.40 | 56.03 | 22.78 | 84.65 | 54.92 | 24.32 | 81.80 | 53.76 | 26.09 | 78.78 | 52.52 | 28.10 | 71.06 | 48.15 | 30.33 | 66.20 | 45.87 | 33.30 | 61.29 | 43.56 | 36.58 |
| | | 33°C | 87.65 | 65.29 | 22.80 | 84.91 | 64.13 | 24.34 | 82.04 | 62.91 | 26.12 | 79.02 | 61.64 | 28.12 | 71.29 | 56.69 | 30.36 | 66.43 | 54.24 | 33.34 | 61.50 | 51.78 | 36.62 |
| | | 36°C | 87.90 | 74.35 | 22.82 | 85.16 | 73.17 | 24.36 | 82.26 | 71.93 | 26.14 | 79.25 | 70.66 | 28.15 | 71.57 | 65.09 | 30.39 | 67.01 | 62.04 | 33.41 | 62.63 | 59.13 | 36.77 |
| 8000 | 16°C | 21°C | 73.93 | 53.13 | 21.74 | 71.56 | 51.99 | 23.22 | 69.01 | 50.75 | 24.95 | 66.31 | 49.37 | 26.91 | 59.68 | 45.03 | 29.11 | 55.39 | 42.56 | 32.03 | 50.99 | 40.02 | 35.28 |
| | | 24°C | 74.31 | 63.33 | 21.77 | 71.95 | 62.04 | 23.25 | 69.42 | 60.67 | 24.98 | 66.72 | 59.22 | 26.95 | 60.04 | 54.24 | 29.14 | 55.71 | 51.57 | 32.08 | 51.32 | 48.88 | 35.31 |
| | | 27°C | 74.83 | 73.42 | 21.80 | 72.61 | 71.84 | 23.31 | 70.34 | 69.98 | 25.06 | 68.07 | 67.79 | 27.07 | 61.73 | 61.73 | 29.32 | 57.91 | 57.91 | 32.33 | 53.99 | 53.99 | 35.65 |
| | | 30°C | 78.71 | 78.71 | 22.10 | 76.68 | 76.68 | 23.64 | 74.51 | 74.51 | 25.43 | 72.19 | 72.19 | 27.46 | 65.54 | 65.54 | 29.73 | 61.59 | 61.59 | 32.76 | 57.55 | 57.55 | 36.10 |
| | 19°C | 24°C | 81.17 | 50.15 | 22.29 | 78.60 | 49.09 | 23.80 | 75.84 | 47.97 | 25.55 | 72.93 | 46.78 | 27.53 | 65.67 | 42.80 | 29.74 | 61.06 | 40.65 | 32.69 | 56.33 | 38.35 | 35.94 |
| | | 27°C | 81.48 | 58.70 | 22.31 | 78.91 | 57.52 | 23.83 | 76.16 | 56.27 | 25.58 | 73.27 | 54.95 | 27.56 | 66.00 | 50.36 | 29.78 | 61.38 | 47.95 | 32.73 | 56.65 | 45.51 | 35.98 |
| | | 30°C | 81.85 | 72.00 | 22.34 | 79.23 | 70.73 | 23.86 | 76.47 | 69.39 | 25.61 | 73.59 | 68.01 | 27.60 | 66.34 | 62.51 | 29.82 | 61.87 | 59.45 | 32.79 | 57.58 | 55.94 | 36.11 |
| | | 33°C | 83.13 | 83.13 | 22.44 | 81.01 | 81.01 | 24.01 | 78.76 | 78.76 | 25.82 | 76.38 | 76.38 | 27.86 | 69.42 | 69.42 | 30.15 | 65.34 | 65.34 | 33.21 | 61.18 | 61.18 | 36.58 |
| | 22°C | 27°C | 88.96 | 47.08 | 22.90 | 86.11 | 46.08 | 24.44 | 83.14 | 45.04 | 26.22 | 80.00 | 43.96 | 28.22 | 72.12 | 40.26 | 30.45 | 67.13 | 38.31 | 33.42 | 62.07 | 36.33 | 36.69 |
| | | 30°C | 89.18 | 58.47 | 22.92 | 86.34 | 57.30 | 24.46 | 83.37 | 56.09 | 26.24 | 80.24 | 54.82 | 28.24 | 72.36 | 50.28 | 30.47 | 67.39 | 47.93 | 33.45 | 62.35 | 45.56 | 36.72 |
| | | 33°C | 89.52 | 68.38 | 22.95 | 86.68 | 67.19 | 24.50 | 83.70 | 65.94 | 26.27 | 80.56 | 64.64 | 28.28 | 72.65 | 59.50 | 30.51 | 67.66 | 56.98 | 33.49 | 62.59 | 54.44 | 36.77 |
| | | 36°C | 89.83 | 78.18 | 22.97 | 86.98 | 76.97 | 24.52 | 84.05 | 75.60 | 26.31 | 81.14 | 74.00 | 28.33 | 73.55 | 68.40 | 30.61 | 69.15 | 65.22 | 33.67 | 64.87 | 62.20 | 37.07 |
| 8800 | 16°C | 21°C | 75.24 | 54.57 | 21.83 | 72.78 | 53.31 | 23.32 | 70.17 | 51.96 | 25.05 | 67.42 | 50.54 | 27.01 | 60.64 | 46.08 | 29.21 | 56.25 | 43.55 | 32.14 | 51.76 | 40.98 | 35.37 |
| | | 24°C | 75.73 | 65.03 | 21.87 | 73.26 | 63.72 | 23.36 | 70.66 | 62.35 | 25.09 | 67.88 | 60.88 | 27.06 | 61.04 | 55.77 | 29.25 | 56.64 | 53.09 | 32.18 | 52.20 | 50.28 | 35.42 |
| | | 27°C | 76.78 | 75.80 | 21.95 | 74.65 | 74.55 | 23.48 | 72.45 | 72.45 | 25.25 | 70.09 | 70.09 | 27.26 | 63.54 | 63.54 | 29.51 | 59.57 | 59.57 | 32.52 | 55.52 | 55.52 | 35.84 |
| | | 30°C | 81.24 | 81.24 | 22.29 | 79.09 | 79.09 | 23.85 | 76.82 | 76.82 | 25.64 | 74.39 | 74.39 | 27.67 | 67.51 | 67.51 | 29.94 | 63.41 | 63.41 | 32.97 | 59.22 | 59.22 | 36.32 |
| | 19°C | 24°C | 82.53 | 52.48 | 22.39 | 79.87 | 51.41 | 23.91 | 77.03 | 50.26 | 25.66 | 74.04 | 49.04 | 27.64 | 66.66 | 44.81 | 29.84 | 61.93 | 42.46 | 32.79 | 57.13 | 40.06 | 36.04 |
| | | 27°C | 82.94 | 61.43 | 22.43 | 80.29 | 60.22 | 23.94 | 77.44 | 58.92 | 25.70 | 74.47 | 57.57 | 27.68 | 67.05 | 52.79 | 29.89 | 62.30 | 50.30 | 32.84 | 57.50 | 47.79 | 36.09 |
| | | 30°C | 83.38 | 75.70 | 22.46 | 80.66 | 74.38 | 23.98 | 77.88 | 72.98 | 25.74 | 74.98 | 71.41 | 27.73 | 67.75 | 65.29 | 29.97 | 63.42 | 61.65 | 32.98 | 59.23 | 57.62 | 36.32 |
| | | 33°C | 85.83 | 85.83 | 22.65 | 83.60 | 83.60 | 24.23 | 81.26 | 81.26 | 26.04 | 78.77 | 78.77 | 28.10 | 71.56 | 71.56 | 30.39 | 67.32 | 67.32 | 33.45 | 63.00 | 63.00 | 36.82 |
| | 22°C | 27°C | 90.38 | 49.25 | 23.01 | 87.45 | 48.24 | 24.56 | 84.38 | 47.19 | 26.33 | 81.17 | 46.11 | 28.33 | 73.15 | 42.29 | 30.56 | 68.06 | 40.24 | 33.53 | 62.89 | 38.07 | 36.80 |
| | | 30°C | 90.68 | 61.25 | 23.04 | 87.77 | 60.04 | 24.59 | 84.72 | 58.79 | 26.36 | 81.52 | 57.47 | 28.37 | 73.48 | 52.74 | 30.60 | 68.39 | 50.31 | 33.57 | 63.25 | 47.87 | 36.84 |
| | | 33°C | 91.11 | 71.93 | 23.07 | 88.17 | 70.70 | 24.63 | 85.10 | 69.43 | 26.40 | 81.87 | 68.09 | 28.41 | 73.79 | 62.70 | 30.64 | 68.69 | 60.10 | 33.62 | 63.62 | 57.37 | 36.90 |
| | | 36°C | 91.57 | 82.38 | 23.11 | 88.82 | 80.85 | 24.68 | 86.03 | 79.07 | 26.49 | 83.24 | 77.01 | 28.55 | 75.67 | 70.81 | 30.85 | 71.29 | 67.24 | 33.94 | 66.84 | 64.72 | 37.33 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (grey shading) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT300A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 8640 | 16°C | 21°C | 86.89 | 62.10 | 28.21 | 84.14 | 60.73 | 30.15 | 81.21 | 59.28 | 32.40 | 78.07 | 57.74 | 34.96 | 70.25 | 52.71 | 37.82 | 65.26 | 49.87 | 41.65 | 60.11 | 46.89 | 45.88 |
| | | 24°C | 87.22 | 73.97 | 28.24 | 84.47 | 72.43 | 30.18 | 81.55 | 70.81 | 32.43 | 78.44 | 69.08 | 35.00 | 70.63 | 63.23 | 37.86 | 65.59 | 60.08 | 41.69 | 60.43 | 56.88 | 45.92 |
| | | 27°C | 87.55 | 85.15 | 28.27 | 84.88 | 83.56 | 30.21 | 82.03 | 81.84 | 32.47 | 79.11 | 79.11 | 35.07 | 71.61 | 71.61 | 37.98 | 67.21 | 67.21 | 41.89 | 62.70 | 62.70 | 46.23 |
| | | 30°C | 91.02 | 91.02 | 28.55 | 88.73 | 88.73 | 30.55 | 86.25 | 86.25 | 32.88 | 83.61 | 83.61 | 35.52 | 75.96 | 75.96 | 38.48 | 71.42 | 71.42 | 42.43 | 66.78 | 66.78 | 46.79 |
| | 19°C | 24°C | 95.46 | 58.67 | 28.92 | 92.50 | 57.39 | 30.89 | 89.32 | 56.04 | 33.17 | 85.94 | 54.61 | 35.75 | 77.42 | 49.92 | 38.64 | 71.98 | 47.37 | 42.49 | 66.47 | 44.78 | 46.74 |
| | | 27°C | 95.71 | 68.54 | 28.94 | 92.73 | 67.14 | 30.91 | 89.56 | 65.65 | 33.19 | 86.21 | 64.08 | 35.78 | 77.70 | 58.69 | 38.67 | 72.29 | 55.83 | 42.53 | 66.79 | 52.95 | 46.78 |
| | | 30°C | 96.08 | 83.64 | 28.97 | 93.05 | 82.12 | 30.95 | 89.85 | 80.53 | 33.23 | 86.47 | 78.85 | 35.82 | 77.97 | 72.49 | 38.72 | 72.58 | 69.31 | 42.57 | 67.20 | 65.83 | 46.85 |
| | | 33°C | 96.63 | 96.63 | 29.01 | 93.88 | 93.88 | 31.02 | 91.14 | 91.14 | 33.35 | 88.40 | 88.40 | 36.02 | 80.39 | 80.39 | 39.00 | 75.71 | 75.71 | 42.98 | 70.93 | 70.93 | 47.37 |
| | 22°C | 27°C | 104.74 | 55.12 | 29.70 | 101.43 | 53.90 | 31.72 | 97.98 | 52.65 | 34.03 | 94.35 | 51.34 | 36.64 | 85.10 | 46.97 | 39.55 | 79.23 | 44.62 | 43.44 | 73.34 | 42.28 | 47.71 |
| | | 30°C | 104.89 | 68.13 | 29.72 | 101.59 | 66.78 | 31.73 | 98.16 | 65.38 | 34.04 | 94.54 | 63.86 | 36.66 | 85.28 | 58.55 | 39.57 | 79.44 | 55.78 | 43.46 | 73.54 | 52.97 | 47.73 |
| | | 33°C | 105.18 | 79.40 | 29.74 | 101.89 | 77.98 | 31.76 | 98.45 | 76.50 | 34.08 | 94.82 | 74.95 | 36.70 | 85.55 | 68.94 | 39.61 | 79.72 | 65.96 | 43.50 | 73.80 | 62.96 | 47.78 |
| | | 36°C | 105.48 | 90.41 | 29.77 | 102.19 | 88.98 | 31.79 | 98.71 | 87.47 | 34.11 | 95.10 | 85.92 | 36.73 | 85.89 | 79.15 | 39.65 | 80.42 | 75.44 | 43.59 | 75.16 | 71.90 | 47.98 |
| 9600 | 16°C | 21°C | 88.72 | 64.60 | 28.36 | 85.87 | 63.23 | 30.30 | 82.81 | 61.71 | 32.55 | 79.58 | 60.04 | 35.11 | 71.62 | 54.75 | 37.98 | 66.47 | 51.75 | 41.80 | 61.19 | 48.67 | 46.03 |
| | | 24°C | 89.18 | 77.01 | 28.40 | 86.34 | 75.44 | 30.34 | 83.30 | 73.78 | 32.60 | 80.06 | 72.01 | 35.16 | 72.05 | 65.95 | 38.03 | 66.85 | 62.71 | 41.85 | 61.59 | 59.44 | 46.08 |
| | | 27°C | 89.80 | 89.28 | 28.45 | 87.13 | 87.13 | 30.41 | 84.41 | 84.41 | 32.70 | 81.68 | 81.68 | 35.32 | 74.08 | 74.08 | 38.26 | 69.49 | 69.49 | 42.18 | 64.79 | 64.79 | 46.51 |
| | | 30°C | 94.45 | 94.45 | 28.83 | 92.02 | 92.02 | 30.85 | 89.41 | 89.41 | 33.18 | 86.63 | 86.63 | 35.83 | 78.65 | 78.65 | 38.79 | 73.91 | 73.91 | 42.74 | 69.06 | 69.06 | 47.11 |
| | 19°C | 24°C | 97.41 | 60.98 | 29.08 | 94.33 | 59.70 | 31.05 | 91.01 | 58.33 | 33.34 | 87.52 | 56.89 | 35.92 | 78.81 | 52.05 | 38.81 | 73.28 | 49.44 | 42.65 | 67.60 | 46.64 | 46.90 |
| | | 27°C | 97.78 | 71.38 | 29.11 | 94.69 | 69.94 | 31.09 | 91.40 | 68.42 | 33.37 | 87.93 | 66.82 | 35.96 | 79.20 | 61.23 | 38.85 | 73.65 | 58.31 | 42.70 | 67.99 | 55.34 | 46.95 |
| | | 30°C | 98.22 | 87.55 | 29.15 | 95.08 | 86.01 | 31.13 | 91.76 | 84.38 | 33.42 | 88.31 | 82.70 | 36.01 | 79.61 | 76.01 | 38.90 | 74.25 | 72.29 | 42.79 | 69.10 | 68.02 | 47.12 |
| | | 33°C | 99.76 | 99.76 | 29.28 | 97.21 | 97.21 | 31.32 | 94.52 | 94.52 | 33.68 | 91.66 | 91.66 | 36.36 | 83.31 | 83.31 | 39.35 | 78.41 | 78.41 | 43.33 | 73.42 | 73.42 | 47.73 |
| | 22°C | 27°C | 106.76 | 57.25 | 29.88 | 103.34 | 56.03 | 31.89 | 99.77 | 54.77 | 34.21 | 96.00 | 53.45 | 36.82 | 86.55 | 48.96 | 39.73 | 80.56 | 46.59 | 43.60 | 74.49 | 44.17 | 47.87 |
| | | 30°C | 107.01 | 71.10 | 29.90 | 103.60 | 69.68 | 31.92 | 100.05 | 68.21 | 34.24 | 96.29 | 66.66 | 36.85 | 86.83 | 61.14 | 39.76 | 80.87 | 58.28 | 43.64 | 74.83 | 55.40 | 47.92 |
| | | 33°C | 107.42 | 83.15 | 29.94 | 104.02 | 81.70 | 31.96 | 100.44 | 80.19 | 34.28 | 96.67 | 78.61 | 36.90 | 87.18 | 72.35 | 39.81 | 81.20 | 69.29 | 43.69 | 75.11 | 66.20 | 47.97 |
| | | 36°C | 107.80 | 95.07 | 29.97 | 104.38 | 93.60 | 32.00 | 100.86 | 91.93 | 34.32 | 97.36 | 89.98 | 36.97 | 88.26 | 83.18 | 39.94 | 82.98 | 79.31 | 43.94 | 77.84 | 75.64 | 48.37 |
| 10560 | 16°C | 21°C | 90.29 | 66.36 | 28.49 | 87.33 | 64.82 | 30.43 | 84.21 | 63.19 | 32.68 | 80.91 | 61.45 | 35.25 | 72.77 | 56.03 | 38.11 | 67.50 | 52.96 | 41.94 | 62.11 | 49.83 | 46.15 |
| | | 24°C | 90.87 | 79.08 | 28.54 | 87.91 | 77.49 | 30.48 | 84.79 | 75.81 | 32.74 | 81.46 | 74.03 | 35.30 | 73.25 | 67.82 | 38.17 | 67.96 | 64.56 | 41.99 | 62.65 | 61.14 | 46.22 |
| | | 27°C | 92.14 | 92.14 | 28.64 | 89.58 | 89.58 | 30.63 | 86.94 | 86.94 | 32.94 | 84.11 | 84.11 | 35.57 | 76.24 | 76.24 | 38.51 | 71.49 | 71.49 | 42.43 | 66.62 | 66.62 | 46.76 |
| | | 30°C | 97.49 | 97.49 | 29.09 | 94.91 | 94.91 | 31.11 | 92.18 | 92.18 | 33.45 | 89.27 | 89.27 | 36.10 | 81.01 | 81.01 | 39.07 | 76.09 | 76.09 | 43.02 | 71.07 | 71.07 | 47.39 |
| | 19°C | 24°C | 99.03 | 63.82 | 29.22 | 95.84 | 62.51 | 31.19 | 92.44 | 61.12 | 33.48 | 88.85 | 59.63 | 36.06 | 79.99 | 54.49 | 38.94 | 74.32 | 51.63 | 42.79 | 68.56 | 48.71 | 47.03 |
| | | 27°C | 99.53 | 74.70 | 29.26 | 96.35 | 73.22 | 31.24 | 92.93 | 71.65 | 33.53 | 89.36 | 70.01 | 36.11 | 80.46 | 64.19 | 39.00 | 74.77 | 61.16 | 42.85 | 69.00 | 58.11 | 47.10 |
| | | 30°C | 100.06 | 92.05 | 29.31 | 96.79 | 90.45 | 31.29 | 93.46 | 88.75 | 33.58 | 89.97 | 86.84 | 36.18 | 81.30 | 79.39 | 39.10 | 76.11 | 74.97 | 43.03 | 71.08 | 70.07 | 47.39 |
| | | 33°C | 102.99 | 102.99 | 29.56 | 100.32 | 100.32 | 31.61 | 97.52 | 97.52 | 33.98 | 94.52 | 94.52 | 36.66 | 85.88 | 85.88 | 39.65 | 80.78 | 80.78 | 43.64 | 75.60 | 75.60 | 48.04 |
| | 22°C | 27°C | 108.45 | 59.88 | 30.03 | 104.94 | 58.66 | 32.05 | 101.26 | 57.38 | 34.36 | 97.41 | 56.07 | 36.97 | 87.78 | 51.42 | 39.88 | 81.67 | 48.93 | 43.75 | 75.46 | 46.30 | 48.01 |
| | | 30°C | 108.81 | 74.48 | 30.06 | 105.32 | 73.01 | 32.08 | 101.67 | 71.49 | 34.40 | 97.82 | 69.89 | 37.01 | 88.17 | 64.13 | 39.92 | 82.07 | 61.18 | 43.80 | 75.90 | 58.21 | 48.07 |
| | | 33°C | 109.33 | 87.47 | 30.11 | 105.81 | 85.97 | 32.13 | 102.12 | 84.42 | 34.45 | 98.25 | 82.80 | 37.07 | 88.55 | 76.25 | 39.98 | 82.43 | 73.08 | 43.86 | 76.34 | 69.76 | 48.14 |
| | | 36°C | 109.88 | 100.17 | 30.16 | 106.59 | 98.32 | 32.20 | 103.23 | 96.15 | 34.56 | 99.89 | 93.65 | 37.25 | 90.81 | 86.11 | 40.26 | 85.55 | 81.77 | 44.28 | 80.21 | 78.70 | 48.71 |

## Model: MRT360A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 9900 | 16°C | 21°C | 95.28 | 74.38 | 31.28 | 92.26 | 72.74 | 33.43 | 89.05 | 71.00 | 35.92 | 85.61 | 69.15 | 38.76 | 77.04 | 63.13 | 41.94 | 71.56 | 59.72 | 46.18 | 65.92 | 56.16 | 50.87 |
| | | 24°C | 95.65 | 88.59 | 31.31 | 92.63 | 86.75 | 33.46 | 89.43 | 84.80 | 35.96 | 86.01 | 82.73 | 38.80 | 77.45 | 75.72 | 41.98 | 71.93 | 71.93 | 46.22 | 66.27 | 66.27 | 50.91 |
| | | 27°C | 96.00 | 96.00 | 31.34 | 93.08 | 93.08 | 33.50 | 89.95 | 89.95 | 36.00 | 86.76 | 86.76 | 38.88 | 78.53 | 78.53 | 42.11 | 73.70 | 73.70 | 46.45 | 68.76 | 68.76 | 51.25 |
| | | 30°C | 99.81 | 99.81 | 31.65 | 97.30 | 97.30 | 33.87 | 94.59 | 94.59 | 36.45 | 91.69 | 91.69 | 39.38 | 83.29 | 83.29 | 42.66 | 78.32 | 78.32 | 47.04 | 73.23 | 73.23 | 51.88 |
| | 19°C | 24°C | 104.69 | 70.26 | 32.06 | 101.43 | 68.74 | 34.25 | 97.95 | 67.11 | 36.77 | 94.25 | 65.40 | 39.64 | 84.90 | 59.79 | 42.84 | 78.94 | 56.73 | 47.11 | 72.90 | 53.63 | 51.82 |
| | | 27°C | 104.95 | 82.08 | 32.08 | 101.68 | 80.40 | 34.27 | 98.22 | 78.62 | 36.80 | 94.54 | 76.75 | 39.67 | 85.21 | 70.29 | 42.88 | 79.28 | 66.87 | 47.15 | 73.24 | 63.41 | 51.87 |
| | | 30°C | 105.36 | 100.17 | 32.12 | 102.04 | 98.35 | 34.31 | 98.53 | 96.44 | 36.85 | 94.82 | 94.44 | 39.72 | 85.50 | 85.50 | 42.93 | 79.59 | 79.59 | 47.20 | 73.70 | 73.70 | 51.94 |
| | | 33°C | 105.97 | 105.97 | 32.17 | 102.95 | 102.95 | 34.39 | 99.94 | 99.94 | 36.98 | 96.94 | 96.94 | 39.93 | 88.16 | 88.16 | 43.24 | 83.02 | 83.02 | 47.65 | 77.78 | 77.78 | 52.52 |
| | 22°C | 27°C | 114.86 | 66.01 | 32.93 | 111.23 | 64.56 | 35.17 | 107.45 | 63.05 | 37.73 | 103.47 | 61.48 | 40.63 | 93.32 | 56.25 | 43.86 | 86.89 | 53.43 | 48.16 | 80.43 | 50.63 | 52.89 |
| | | 30°C | 115.02 | 81.60 | 32.95 | 111.40 | 79.98 | 35.18 | 107.65 | 78.30 | 37.75 | 103.67 | 76.49 | 40.65 | 93.52 | 70.12 | 43.88 | 87.12 | 66.80 | 48.18 | 80.65 | 63.44 | 52.92 |
| | | 33°C | 115.34 | 95.09 | 32.98 | 111.74 | 93.39 | 35.21 | 107.97 | 91.62 | 37.78 | 103.99 | 89.77 | 40.69 | 93.82 | 82.56 | 43.92 | 87.42 | 78.99 | 48.23 | 80.94 | 75.40 | 52.98 |
| | | 36°C | 115.67 | 108.27 | 33.01 | 112.07 | 106.56 | 35.25 | 108.24 | 104.76 | 37.82 | 104.29 | 102.90 | 40.72 | 94.19 | 94.19 | 43.96 | 88.18 | 88.18 | 48.33 | 82.42 | 82.42 | 53.20 |
| 11000 | 16°C | 21°C | 97.29 | 77.37 | 31.44 | 94.17 | 75.72 | 33.59 | 90.81 | 73.91 | 36.09 | 87.26 | 71.90 | 38.93 | 78.53 | 65.57 | 42.11 | 72.89 | 61.98 | 46.34 | 67.10 | 58.29 | 51.03 |
| | | 24°C | 97.79 | 92.23 | 31.49 | 94.68 | 90.35 | 33.64 | 91.35 | 88.36 | 36.14 | 87.80 | 86.25 | 38.98 | 79.02 | 78.98 | 42.16 | 73.31 | 73.31 | 46.40 | 67.54 | 67.54 | 51.09 |
| | | 27°C | 98.47 | 98.47 | 31.54 | 95.55 | 95.55 | 33.72 | 92.56 | 92.56 | 36.26 | 89.58 | 89.58 | 39.16 | 81.23 | 81.23 | 42.42 | 76.21 | 76.21 | 46.77 | 71.05 | 71.05 | 51.57 |
| | | 30°C | 103.58 | 103.58 | 31.97 | 100.91 | 100.91 | 34.20 | 98.05 | 98.05 | 36.79 | 95.00 | 95.00 | 39.73 | 86.25 | 86.25 | 43.01 | 81.05 | 81.05 | 47.39 | 75.74 | 75.74 | 52.23 |
| | 19°C | 24°C | 106.82 | 73.03 | 32.24 | 103.44 | 71.49 | 34.43 | 99.81 | 69.85 | 36.96 | 95.97 | 68.13 | 39.82 | 86.42 | 62.34 | 43.03 | 80.36 | 59.20 | 47.29 | 74.13 | 55.85 | 52.00 |
| | | 27°C | 107.22 | 85.49 | 32.28 | 103.84 | 83.77 | 34.47 | 100.23 | 81.94 | 37.00 | 96.42 | 80.03 | 39.87 | 86.85 | 73.34 | 43.08 | 80.77 | 69.83 | 47.34 | 74.56 | 66.28 | 52.06 |
| | | 30°C | 107.71 | 104.85 | 32.32 | 104.27 | 103.00 | 34.52 | 100.63 | 100.63 | 37.05 | 96.84 | 96.84 | 39.92 | 87.30 | 87.30 | 43.13 | 81.42 | 81.42 | 47.44 | 75.77 | 75.77 | 52.24 |
| | | 33°C | 109.40 | 109.40 | 32.46 | 106.60 | 106.60 | 34.73 | 103.65 | 103.65 | 37.35 | 100.51 | 100.51 | 40.31 | 91.36 | 91.36 | 43.62 | 85.99 | 85.99 | 48.04 | 80.51 | 80.51 | 52.92 |
| | 22°C | 27°C | 117.07 | 68.56 | 33.13 | 113.32 | 67.11 | 35.36 | 109.41 | 65.60 | 37.93 | 105.28 | 64.01 | 40.82 | 94.91 | 58.63 | 44.05 | 88.34 | 55.79 | 48.34 | 81.68 | 52.90 | 53.08 |
| | | 30°C | 117.35 | 85.15 | 33.15 | 113.61 | 83.45 | 35.39 | 109.72 | 81.69 | 37.96 | 105.60 | 79.84 | 40.86 | 95.22 | 73.22 | 44.09 | 88.68 | 69.80 | 48.39 | 82.06 | 66.35 | 53.13 |
| | | 33°C | 117.80 | 99.58 | 33.20 | 114.07 | 97.85 | 35.44 | 110.14 | 96.04 | 38.01 | 106.01 | 94.14 | 40.91 | 95.60 | 86.65 | 44.14 | 89.04 | 82.98 | 48.44 | 82.37 | 79.28 | 53.19 |
| | | 36°C | 118.21 | 113.85 | 33.23 | 114.46 | 112.10 | 35.48 | 110.60 | 110.09 | 38.06 | 106.77 | 106.77 | 40.99 | 96.78 | 96.78 | 44.28 | 91.00 | 91.00 | 48.71 | 85.36 | 85.36 | 53.63 |
| 12100 | 16°C | 21°C | 99.01 | 79.48 | 31.58 | 95.77 | 77.63 | 33.74 | 92.34 | 75.67 | 36.24 | 88.73 | 73.60 | 39.08 | 79.80 | 67.10 | 42.25 | 74.02 | 63.42 | 46.49 | 68.11 | 59.68 | 51.17 |
| | | 24°C | 99.65 | 94.71 | 31.64 | 96.41 | 92.80 | 33.80 | 92.98 | 90.79 | 36.30 | 89.33 | 88.66 | 39.14 | 80.32 | 80.32 | 42.32 | 74.53 | 74.53 | 46.56 | 68.70 | 68.70 | 51.24 |
| | | 27°C | 101.04 | 101.04 | 31.75 | 98.23 | 98.23 | 33.96 | 95.34 | 95.34 | 36.52 | 92.24 | 92.24 | 39.44 | 83.61 | 83.61 | 42.70 | 78.39 | 78.39 | 47.04 | 73.06 | 73.06 | 51.85 |
| | | 30°C | 106.91 | 106.91 | 32.25 | 104.08 | 104.08 | 34.50 | 101.09 | 101.09 | 37.09 | 97.90 | 97.90 | 40.03 | 88.84 | 88.84 | 43.32 | 83.44 | 83.44 | 47.70 | 77.93 | 77.93 | 52.54 |
| | 19°C | 24°C | 108.60 | 76.43 | 32.40 | 105.10 | 74.86 | 34.59 | 101.37 | 73.20 | 37.12 | 97.43 | 71.42 | 39.98 | 87.72 | 65.26 | 43.17 | 81.50 | 61.83 | 47.44 | 75.18 | 58.34 | 52.14 |
| | | 27°C | 109.15 | 89.46 | 32.44 | 105.66 | 87.70 | 34.64 | 101.91 | 85.81 | 37.17 | 97.99 | 83.84 | 40.04 | 88.23 | 76.87 | 43.24 | 81.99 | 73.25 | 47.51 | 75.66 | 69.59 | 52.22 |
| | | 30°C | 109.72 | 109.72 | 32.49 | 106.14 | 106.14 | 34.70 | 102.49 | 102.49 | 37.23 | 98.67 | 98.67 | 40.11 | 89.15 | 89.15 | 43.36 | 83.46 | 83.46 | 47.71 | 77.95 | 77.95 | 52.54 |
| | | 33°C | 112.94 | 112.94 | 32.77 | 110.02 | 110.02 | 35.05 | 106.94 | 106.94 | 37.68 | 103.66 | 103.66 | 40.65 | 94.17 | 94.17 | 43.97 | 88.59 | 88.59 | 48.39 | 82.91 | 82.91 | 53.26 |
| | 22°C | 27°C | 118.93 | 71.72 | 33.29 | 115.08 | 70.25 | 35.53 | 111.04 | 68.72 | 38.09 | 106.82 | 67.16 | 40.99 | 96.26 | 61.58 | 44.21 | 89.56 | 58.60 | 48.50 | 82.75 | 55.45 | 53.23 |
| | | 30°C | 119.33 | 89.20 | 33.33 | 115.49 | 87.44 | 35.57 | 111.49 | 85.61 | 38.14 | 107.27 | 83.70 | 41.04 | 96.69 | 76.81 | 44.26 | 90.00 | 73.27 | 48.56 | 83.24 | 69.72 | 53.30 |
| | | 33°C | 119.90 | 104.75 | 33.38 | 116.03 | 102.96 | 35.62 | 111.99 | 101.11 | 38.20 | 107.74 | 99.16 | 41.10 | 97.10 | 91.31 | 44.33 | 90.40 | 87.52 | 48.63 | 83.72 | 83.54 | 53.38 |
| | | 36°C | 120.50 | 119.97 | 33.43 | 116.88 | 116.88 | 35.70 | 113.21 | 113.21 | 38.32 | 109.54 | 109.54 | 41.30 | 99.58 | 99.58 | 44.63 | 93.82 | 93.82 | 49.09 | 87.96 | 87.96 | 54.01 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT420A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | | 52°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 11250 | 16°C | 21°C | 117.01 | 85.84 | 36.71 | 113.31 | 83.94 | 39.23 | 109.36 | 81.94 | 42.16 | 105.14 | 79.81 | 45.50 | 94.61 | 72.86 | 49.23 | 87.89 | 68.92 | 54.20 | 80.96 | 64.81 | 59.72 |
| | | 24°C | 117.47 | 102.24 | 36.75 | 113.76 | 100.11 | 39.28 | 109.83 | 97.87 | 42.21 | 105.63 | 95.48 | 45.55 | 95.11 | 87.39 | 49.28 | 88.33 | 83.04 | 54.26 | 81.38 | 78.62 | 59.76 |
| | | 27°C | 117.90 | 117.68 | 36.79 | 114.30 | 114.30 | 39.32 | 110.47 | 110.47 | 42.26 | 106.54 | 106.54 | 45.64 | 96.44 | 96.44 | 49.43 | 90.51 | 90.51 | 54.52 | 84.44 | 84.44 | 60.16 |
| | | 30°C | 122.58 | 122.58 | 37.15 | 119.49 | 119.49 | 39.76 | 116.16 | 116.16 | 42.79 | 112.60 | 112.60 | 46.23 | 102.29 | 102.29 | 50.08 | 96.18 | 96.18 | 55.21 | 89.93 | 89.93 | 60.89 |
| | 19°C | 24°C | 128.56 | 81.09 | 37.64 | 124.57 | 79.33 | 40.20 | 120.28 | 77.45 | 43.17 | 115.74 | 75.48 | 46.53 | 104.27 | 69.00 | 50.29 | 96.94 | 65.47 | 55.30 | 89.52 | 61.90 | 60.83 |
| | | 27°C | 128.89 | 94.73 | 37.66 | 124.88 | 92.79 | 40.23 | 120.62 | 90.74 | 43.20 | 116.10 | 88.57 | 46.57 | 104.64 | 81.12 | 50.33 | 97.36 | 77.17 | 55.35 | 89.95 | 73.18 | 60.88 |
| | | 30°C | 129.39 | 115.60 | 37.70 | 125.31 | 113.50 | 40.28 | 121.00 | 111.30 | 43.25 | 116.44 | 108.99 | 46.62 | 105.00 | 100.19 | 50.39 | 97.75 | 95.80 | 55.40 | 90.50 | 90.50 | 60.97 |
| | | 33°C | 130.14 | 130.14 | 37.76 | 126.42 | 126.42 | 40.37 | 122.74 | 122.74 | 43.41 | 119.05 | 119.05 | 46.87 | 108.26 | 108.26 | 50.76 | 101.96 | 101.96 | 55.93 | 95.52 | 95.52 | 61.65 |
| | 22°C | 27°C | 141.06 | 76.18 | 38.66 | 136.59 | 74.50 | 41.28 | 131.96 | 72.77 | 44.29 | 127.07 | 70.96 | 47.69 | 114.61 | 64.92 | 51.48 | 106.70 | 61.67 | 56.53 | 98.77 | 58.44 | 62.09 |
| | | 30°C | 141.25 | 94.17 | 38.68 | 136.81 | 92.31 | 41.30 | 132.20 | 90.36 | 44.31 | 127.31 | 88.27 | 47.71 | 114.85 | 80.92 | 51.50 | 106.99 | 77.09 | 56.55 | 99.04 | 73.22 | 62.12 |
| | | 33°C | 141.65 | 109.74 | 38.71 | 137.22 | 107.78 | 41.34 | 132.59 | 105.74 | 44.35 | 127.70 | 103.60 | 47.76 | 115.21 | 95.29 | 51.55 | 107.36 | 91.17 | 56.61 | 99.39 | 87.02 | 62.18 |
| | | 36°C | 142.05 | 124.96 | 38.75 | 137.62 | 122.98 | 41.37 | 132.93 | 120.90 | 44.39 | 128.08 | 118.76 | 47.80 | 115.67 | 109.40 | 51.60 | 108.30 | 104.26 | 56.73 | 101.21 | 99.38 | 62.45 |
| 12500 | 16°C | 21°C | 119.48 | 89.29 | 36.91 | 115.65 | 87.39 | 39.43 | 111.52 | 85.30 | 42.36 | 107.17 | 82.98 | 45.70 | 96.45 | 75.68 | 49.42 | 89.51 | 71.53 | 54.40 | 82.41 | 67.27 | 59.91 |
| | | 24°C | 120.10 | 106.44 | 36.96 | 116.27 | 104.27 | 39.49 | 112.18 | 101.98 | 42.42 | 107.82 | 99.53 | 45.76 | 97.04 | 91.15 | 49.49 | 90.03 | 86.67 | 54.47 | 82.94 | 82.16 | 59.97 |
| | | 27°C | 120.93 | 120.93 | 37.02 | 117.35 | 117.35 | 39.58 | 113.67 | 113.67 | 42.56 | 110.00 | 110.00 | 45.97 | 99.76 | 99.76 | 49.79 | 93.58 | 93.58 | 54.89 | 87.26 | 87.26 | 60.53 |
| | | 30°C | 127.20 | 127.20 | 37.52 | 123.93 | 123.93 | 40.15 | 120.41 | 120.41 | 43.18 | 116.66 | 116.66 | 46.63 | 105.92 | 105.92 | 50.49 | 99.53 | 99.53 | 55.63 | 93.01 | 93.01 | 61.31 |
| | 19°C | 24°C | 131.18 | 84.28 | 37.85 | 127.03 | 82.51 | 40.41 | 122.57 | 80.62 | 43.39 | 117.86 | 78.63 | 46.75 | 106.13 | 71.94 | 50.51 | 98.68 | 68.33 | 55.51 | 91.04 | 64.46 | 61.03 |
| | | 27°C | 131.68 | 98.66 | 37.89 | 127.52 | 96.67 | 40.46 | 123.09 | 94.57 | 43.43 | 118.41 | 92.36 | 46.80 | 106.66 | 84.64 | 50.56 | 99.19 | 80.59 | 55.57 | 91.56 | 76.49 | 61.10 |
| | | 30°C | 132.28 | 121.01 | 37.94 | 128.05 | 118.87 | 40.52 | 123.58 | 116.62 | 43.49 | 118.93 | 114.30 | 46.86 | 107.21 | 105.05 | 50.63 | 99.99 | 99.92 | 55.69 | 93.05 | 93.05 | 61.32 |
| | | 33°C | 134.34 | 134.34 | 38.10 | 130.91 | 130.91 | 40.76 | 127.29 | 127.29 | 43.84 | 123.44 | 123.44 | 47.32 | 112.20 | 112.20 | 51.21 | 105.60 | 105.60 | 56.39 | 98.87 | 98.87 | 62.11 |
| | 22°C | 27°C | 143.77 | 79.13 | 38.89 | 139.17 | 77.45 | 41.51 | 134.37 | 75.71 | 44.52 | 129.29 | 73.88 | 47.92 | 116.55 | 67.67 | 51.70 | 108.49 | 64.39 | 56.75 | 100.31 | 61.06 | 62.30 |
| | | 30°C | 144.12 | 98.27 | 38.92 | 139.52 | 96.31 | 41.54 | 134.74 | 94.28 | 44.56 | 129.68 | 92.14 | 47.96 | 116.94 | 84.50 | 51.75 | 108.91 | 80.55 | 56.80 | 100.77 | 76.58 | 62.36 |
| | | 33°C | 144.67 | 114.92 | 38.97 | 140.09 | 112.93 | 41.60 | 135.26 | 110.83 | 44.61 | 130.18 | 108.65 | 48.02 | 117.41 | 100.00 | 51.81 | 109.35 | 95.77 | 56.86 | 101.16 | 91.50 | 62.43 |
| | | 36°C | 145.17 | 131.40 | 39.01 | 140.57 | 129.37 | 41.64 | 135.82 | 127.06 | 44.67 | 131.12 | 124.37 | 48.11 | 118.86 | 114.97 | 51.98 | 111.75 | 109.62 | 57.18 | 104.83 | 104.54 | 62.95 |
| 13750 | 16°C | 21°C | 121.59 | 91.72 | 37.07 | 117.61 | 89.60 | 39.61 | 113.40 | 87.33 | 42.54 | 108.96 | 84.94 | 45.87 | 98.00 | 77.44 | 49.59 | 90.90 | 73.20 | 54.58 | 83.65 | 68.87 | 60.07 |
| | | 24°C | 122.38 | 109.31 | 37.14 | 118.39 | 107.10 | 39.67 | 114.18 | 104.78 | 42.61 | 109.70 | 102.32 | 45.94 | 98.64 | 93.74 | 49.68 | 91.53 | 89.23 | 54.65 | 84.37 | 84.37 | 60.15 |
| | | 27°C | 124.09 | 124.09 | 37.27 | 120.64 | 120.64 | 39.86 | 117.08 | 117.08 | 42.87 | 113.28 | 113.28 | 46.29 | 102.68 | 102.68 | 50.12 | 96.27 | 96.27 | 55.22 | 89.72 | 89.72 | 60.86 |
| | | 30°C | 131.29 | 131.29 | 37.85 | 127.82 | 127.82 | 40.49 | 124.14 | 124.14 | 43.54 | 120.22 | 120.22 | 46.99 | 109.10 | 109.10 | 50.85 | 102.47 | 102.47 | 55.99 | 95.71 | 95.71 | 61.67 |
| | 19°C | 24°C | 133.37 | 88.21 | 38.03 | 129.07 | 86.40 | 40.60 | 124.49 | 84.48 | 43.57 | 119.65 | 82.42 | 46.93 | 107.73 | 75.31 | 50.68 | 100.09 | 71.36 | 55.69 | 92.33 | 67.33 | 61.21 |
| | | 27°C | 134.05 | 103.25 | 38.08 | 129.75 | 101.21 | 40.66 | 125.16 | 99.03 | 43.63 | 120.34 | 96.76 | 47.00 | 108.35 | 88.72 | 50.76 | 100.69 | 84.53 | 55.77 | 92.92 | 80.31 | 61.29 |
| | | 30°C | 134.75 | 127.23 | 38.14 | 130.35 | 125.01 | 40.73 | 125.87 | 122.66 | 43.70 | 121.17 | 120.02 | 47.08 | 109.49 | 109.49 | 50.89 | 102.50 | 102.50 | 56.00 | 95.72 | 95.72 | 61.68 |
| | | 33°C | 138.70 | 138.70 | 38.47 | 135.11 | 135.11 | 41.14 | 131.33 | 131.33 | 44.23 | 127.30 | 127.30 | 47.71 | 115.65 | 115.65 | 51.61 | 108.79 | 108.79 | 56.80 | 101.81 | 101.81 | 62.52 |
| | 22°C | 27°C | 146.06 | 82.77 | 39.08 | 141.33 | 81.08 | 41.71 | 136.36 | 79.31 | 44.71 | 131.18 | 77.50 | 48.11 | 118.22 | 71.07 | 51.90 | 109.98 | 67.63 | 56.93 | 101.63 | 63.99 | 62.49 |
| | | 30°C | 146.54 | 102.94 | 39.12 | 141.84 | 100.91 | 41.75 | 136.92 | 98.81 | 44.77 | 131.74 | 96.60 | 48.17 | 118.74 | 88.64 | 51.96 | 110.53 | 84.56 | 57.00 | 102.22 | 80.46 | 62.56 |
| | | 33°C | 147.24 | 120.89 | 39.18 | 142.49 | 118.83 | 41.82 | 137.53 | 116.68 | 44.84 | 132.31 | 114.44 | 48.24 | 119.25 | 105.38 | 52.03 | 111.01 | 101.00 | 57.08 | 102.81 | 96.42 | 62.66 |
| | | 36°C | 147.98 | 138.45 | 39.25 | 143.54 | 135.89 | 41.91 | 139.02 | 132.90 | 44.98 | 134.53 | 129.43 | 48.48 | 122.30 | 119.01 | 52.39 | 115.22 | 113.01 | 57.63 | 108.03 | 108.03 | 63.40 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. [grey box] shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

# R22 Model

## (HEAT PUMP)
## Cooling Mode

## Model: MRT055AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 1620 | 16°C | 21°C | 15.93 | 11.98 | 4.53 | 15.42 | 11.72 | 4.84 | 14.89 | 11.44 | 5.21 | 14.31 | 11.14 | 5.62 | 12.88 | 10.17 | 6.08 | 11.96 | 9.62 | 6.69 |
| | | 24°C | 15.99 | 14.27 | 4.54 | 15.49 | 13.98 | 4.85 | 14.95 | 13.66 | 5.21 | 14.38 | 13.33 | 5.62 | 12.95 | 12.20 | 6.08 | 12.02 | 11.59 | 6.70 |
| | | 27°C | 16.05 | 16.05 | 4.54 | 15.56 | 15.56 | 4.85 | 15.04 | 15.04 | 5.22 | 14.50 | 14.50 | 5.63 | 13.13 | 13.13 | 6.10 | 12.32 | 12.32 | 6.73 |
| | | 30°C | 16.69 | 16.69 | 4.59 | 16.27 | 16.27 | 4.91 | 15.81 | 15.81 | 5.28 | 15.33 | 15.33 | 5.71 | 13.92 | 13.92 | 6.18 | 13.09 | 13.09 | 6.82 |
| | 19°C | 24°C | 17.50 | 11.32 | 4.65 | 16.96 | 11.08 | 4.96 | 16.37 | 10.81 | 5.33 | 15.76 | 10.54 | 5.74 | 14.19 | 9.63 | 6.21 | 13.20 | 9.14 | 6.83 |
| | | 27°C | 17.55 | 13.23 | 4.65 | 17.00 | 12.96 | 4.97 | 16.42 | 12.67 | 5.33 | 15.80 | 12.37 | 5.75 | 14.24 | 11.33 | 6.21 | 13.25 | 10.77 | 6.83 |
| | | 30°C | 17.61 | 16.14 | 4.65 | 17.06 | 15.85 | 4.97 | 16.47 | 15.54 | 5.34 | 15.85 | 15.22 | 5.76 | 14.29 | 13.99 | 6.22 | 13.31 | 13.31 | 6.84 |
| | | 33°C | 17.72 | 17.72 | 4.66 | 17.21 | 17.21 | 4.98 | 16.71 | 16.71 | 5.36 | 16.21 | 16.21 | 5.79 | 14.74 | 14.74 | 6.27 | 13.88 | 13.88 | 6.91 |
| | 22°C | 27°C | 19.20 | 10.64 | 4.77 | 18.59 | 10.40 | 5.10 | 17.96 | 10.16 | 5.47 | 17.30 | 9.91 | 5.89 | 15.60 | 9.06 | 6.36 | 14.53 | 8.61 | 6.98 |
| | | 30°C | 19.23 | 13.15 | 4.77 | 18.62 | 12.89 | 5.10 | 18.00 | 12.62 | 5.47 | 17.33 | 12.32 | 5.89 | 15.63 | 11.30 | 6.36 | 14.56 | 10.76 | 6.98 |
| | | 33°C | 19.28 | 15.32 | 4.78 | 18.68 | 15.05 | 5.10 | 18.05 | 14.76 | 5.48 | 17.38 | 14.46 | 5.90 | 15.68 | 13.30 | 6.36 | 14.61 | 12.73 | 6.99 |
| | | 36°C | 19.34 | 17.45 | 4.78 | 18.73 | 17.17 | 5.11 | 18.10 | 16.88 | 5.48 | 17.43 | 16.58 | 5.90 | 15.75 | 15.27 | 6.37 | 14.74 | 14.56 | 7.00 |
| 1800 | 16°C | 21°C | 16.26 | 12.47 | 4.56 | 15.74 | 12.20 | 4.87 | 15.18 | 11.91 | 5.23 | 14.59 | 11.59 | 5.64 | 13.13 | 10.57 | 6.10 | 12.18 | 9.99 | 6.72 |
| | | 24°C | 16.35 | 14.86 | 4.56 | 15.83 | 14.56 | 4.88 | 15.27 | 14.24 | 5.24 | 14.68 | 13.90 | 5.65 | 13.21 | 12.73 | 6.11 | 12.26 | 12.10 | 6.72 |
| | | 27°C | 16.46 | 16.46 | 4.57 | 15.97 | 15.97 | 4.89 | 15.47 | 15.47 | 5.25 | 14.97 | 14.97 | 5.68 | 13.58 | 13.58 | 6.15 | 12.74 | 12.74 | 6.78 |
| | | 30°C | 17.32 | 17.32 | 4.63 | 16.87 | 16.87 | 4.96 | 16.39 | 16.39 | 5.33 | 15.88 | 15.88 | 5.76 | 14.42 | 14.42 | 6.23 | 13.55 | 13.55 | 6.87 |
| | 19°C | 24°C | 17.86 | 11.77 | 4.67 | 17.29 | 11.52 | 4.99 | 16.69 | 11.26 | 5.36 | 16.04 | 10.98 | 5.77 | 14.45 | 10.04 | 6.24 | 13.43 | 9.54 | 6.85 |
| | | 27°C | 17.92 | 13.77 | 4.68 | 17.36 | 13.50 | 5.00 | 16.76 | 13.20 | 5.36 | 16.12 | 12.90 | 5.78 | 14.52 | 11.82 | 6.24 | 13.50 | 11.25 | 6.86 |
| | | 30°C | 18.01 | 16.90 | 4.68 | 17.43 | 16.60 | 5.00 | 16.82 | 16.28 | 5.37 | 16.19 | 15.96 | 5.79 | 14.59 | 14.59 | 6.25 | 13.61 | 13.61 | 6.88 |
| | | 33°C | 18.29 | 18.29 | 4.70 | 17.82 | 17.82 | 5.03 | 17.33 | 17.33 | 5.41 | 16.80 | 16.80 | 5.84 | 15.27 | 15.27 | 6.32 | 14.38 | 14.38 | 6.96 |
| | 22°C | 27°C | 19.57 | 11.05 | 4.80 | 18.94 | 10.81 | 5.12 | 18.29 | 10.57 | 5.50 | 17.60 | 10.31 | 5.92 | 15.87 | 9.45 | 6.38 | 14.77 | 8.99 | 7.01 |
| | | 30°C | 19.62 | 13.72 | 4.80 | 18.99 | 13.45 | 5.13 | 18.34 | 13.16 | 5.50 | 17.65 | 12.86 | 5.92 | 15.92 | 11.80 | 6.39 | 14.83 | 11.25 | 7.01 |
| | | 33°C | 19.69 | 16.05 | 4.81 | 19.07 | 15.77 | 5.14 | 18.41 | 15.47 | 5.51 | 17.72 | 15.17 | 5.93 | 15.98 | 13.96 | 6.40 | 14.89 | 13.37 | 7.02 |
| | | 36°C | 19.76 | 18.35 | 4.82 | 19.14 | 18.06 | 5.14 | 18.49 | 17.74 | 5.52 | 17.85 | 17.36 | 5.94 | 16.18 | 16.05 | 6.42 | 15.21 | 15.21 | 7.06 |
| 1980 | 16°C | 21°C | 16.55 | 12.81 | 4.58 | 16.01 | 12.51 | 4.89 | 15.44 | 12.19 | 5.25 | 14.83 | 11.86 | 5.66 | 13.34 | 10.81 | 6.12 | 12.37 | 10.22 | 6.74 |
| | | 24°C | 16.66 | 15.26 | 4.59 | 16.12 | 14.95 | 4.90 | 15.54 | 14.63 | 5.26 | 14.93 | 14.29 | 5.67 | 13.43 | 13.09 | 6.13 | 12.46 | 12.46 | 6.75 |
| | | 27°C | 16.89 | 16.89 | 4.60 | 16.42 | 16.42 | 4.92 | 15.94 | 15.94 | 5.29 | 15.42 | 15.42 | 5.72 | 13.98 | 13.98 | 6.19 | 13.11 | 13.11 | 6.82 |
| | | 30°C | 17.87 | 17.87 | 4.67 | 17.40 | 17.40 | 5.00 | 16.90 | 16.90 | 5.38 | 16.37 | 16.37 | 5.80 | 14.85 | 14.85 | 6.28 | 13.95 | 13.95 | 6.91 |
| | 19°C | 24°C | 18.16 | 12.32 | 4.69 | 17.57 | 12.06 | 5.01 | 16.95 | 11.80 | 5.38 | 16.29 | 11.51 | 5.79 | 14.66 | 10.52 | 6.26 | 13.63 | 9.96 | 6.88 |
| | | 27°C | 18.25 | 14.42 | 4.70 | 17.66 | 14.13 | 5.02 | 17.04 | 13.83 | 5.39 | 16.38 | 13.51 | 5.80 | 14.75 | 12.39 | 6.27 | 13.71 | 11.80 | 6.89 |
| | | 30°C | 18.34 | 17.76 | 4.71 | 17.74 | 17.45 | 5.03 | 17.13 | 17.13 | 5.40 | 16.49 | 16.49 | 5.81 | 14.90 | 14.90 | 6.28 | 13.95 | 13.95 | 6.91 |
| | | 33°C | 18.88 | 18.88 | 4.75 | 18.39 | 18.39 | 5.08 | 17.88 | 17.88 | 5.46 | 17.33 | 17.33 | 5.89 | 15.74 | 15.74 | 6.37 | 14.81 | 14.81 | 7.01 |
| | 22°C | 27°C | 19.88 | 11.56 | 4.82 | 19.24 | 11.32 | 5.15 | 18.56 | 11.07 | 5.52 | 17.86 | 10.82 | 5.94 | 16.09 | 9.92 | 6.41 | 14.97 | 9.44 | 7.03 |
| | | 30°C | 19.95 | 14.37 | 4.83 | 19.31 | 14.09 | 5.16 | 18.64 | 13.80 | 5.53 | 17.93 | 13.49 | 5.95 | 16.16 | 12.38 | 6.41 | 15.05 | 11.81 | 7.04 |
| | | 33°C | 20.04 | 16.88 | 4.84 | 19.40 | 16.59 | 5.16 | 18.72 | 16.29 | 5.54 | 18.01 | 15.98 | 5.96 | 16.23 | 14.71 | 6.42 | 15.11 | 14.10 | 7.05 |
| | | 36°C | 20.14 | 19.33 | 4.85 | 19.54 | 18.97 | 5.17 | 18.93 | 18.56 | 5.55 | 18.31 | 18.07 | 5.98 | 16.65 | 16.62 | 6.47 | 15.68 | 15.68 | 7.11 |

## Model: MRT060AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 1620 | 16°C | 21°C | 15.95 | 10.50 | 4.88 | 15.44 | 10.27 | 5.21 | 14.91 | 10.02 | 5.60 | 14.33 | 9.76 | 6.05 | 12.90 | 8.91 | 6.54 | 11.98 | 8.43 | 7.20 |
| | | 24°C | 16.01 | 12.51 | 4.88 | 15.51 | 12.25 | 5.22 | 14.97 | 11.97 | 5.61 | 14.40 | 11.68 | 6.05 | 12.96 | 10.69 | 6.55 | 12.04 | 10.16 | 7.21 |
| | | 27°C | 16.07 | 14.40 | 4.89 | 15.58 | 14.13 | 5.23 | 15.06 | 13.84 | 5.62 | 14.52 | 13.48 | 6.07 | 13.15 | 12.28 | 6.57 | 12.34 | 11.53 | 7.25 |
| | | 30°C | 16.71 | 16.71 | 4.94 | 16.29 | 16.29 | 5.28 | 15.83 | 15.83 | 5.69 | 15.35 | 15.35 | 6.14 | 13.94 | 13.94 | 6.66 | 13.11 | 13.11 | 7.34 |
| | 19°C | 24°C | 17.52 | 9.92 | 5.00 | 16.98 | 9.70 | 5.34 | 16.40 | 9.47 | 5.74 | 15.78 | 9.23 | 6.18 | 14.21 | 8.44 | 6.68 | 13.21 | 8.01 | 7.35 |
| | | 27°C | 17.57 | 11.59 | 5.01 | 17.02 | 11.35 | 5.35 | 16.44 | 11.10 | 5.74 | 15.82 | 10.83 | 6.19 | 14.26 | 9.92 | 6.69 | 13.27 | 9.44 | 7.36 |
| | | 30°C | 17.64 | 14.14 | 5.01 | 17.08 | 13.88 | 5.35 | 16.49 | 13.62 | 5.75 | 15.87 | 13.33 | 6.20 | 14.31 | 12.26 | 6.70 | 13.32 | 11.72 | 7.36 |
| | | 33°C | 17.74 | 17.74 | 5.02 | 17.23 | 17.23 | 5.36 | 16.73 | 16.73 | 5.77 | 16.23 | 16.23 | 6.23 | 14.76 | 14.76 | 6.75 | 13.90 | 13.90 | 7.43 |
| | 22°C | 27°C | 19.23 | 9.32 | 5.14 | 18.62 | 9.11 | 5.49 | 17.99 | 8.90 | 5.89 | 17.32 | 8.68 | 6.34 | 15.62 | 7.94 | 6.84 | 14.54 | 7.54 | 7.51 |
| | | 30°C | 19.25 | 11.52 | 5.14 | 18.65 | 11.29 | 5.49 | 18.02 | 11.05 | 5.89 | 17.35 | 10.80 | 6.34 | 15.65 | 9.90 | 6.85 | 14.58 | 9.43 | 7.52 |
| | | 33°C | 19.31 | 13.42 | 5.14 | 18.70 | 13.18 | 5.49 | 18.07 | 12.93 | 5.89 | 17.41 | 12.67 | 6.35 | 15.70 | 11.66 | 6.85 | 14.63 | 11.15 | 7.52 |
| | | 36°C | 19.36 | 15.29 | 5.15 | 18.76 | 15.04 | 5.50 | 18.12 | 14.79 | 5.90 | 17.46 | 14.53 | 6.35 | 15.77 | 13.38 | 6.86 | 14.76 | 12.75 | 7.54 |
| 1800 | 16°C | 21°C | 16.29 | 10.92 | 4.91 | 15.76 | 10.69 | 5.24 | 15.20 | 10.43 | 5.63 | 14.61 | 10.15 | 6.07 | 13.15 | 9.26 | 6.57 | 12.20 | 8.75 | 7.23 |
| | | 24°C | 16.37 | 13.02 | 4.91 | 15.85 | 12.76 | 5.25 | 15.29 | 12.47 | 5.64 | 14.70 | 12.18 | 6.08 | 13.23 | 11.15 | 6.58 | 12.27 | 10.60 | 7.24 |
| | | 27°C | 16.48 | 15.09 | 4.92 | 15.99 | 14.77 | 5.26 | 15.49 | 14.39 | 5.66 | 14.99 | 13.94 | 6.11 | 13.60 | 12.70 | 6.62 | 12.76 | 11.95 | 7.30 |
| | | 30°C | 17.34 | 17.34 | 4.99 | 16.89 | 16.89 | 5.34 | 16.41 | 16.41 | 5.74 | 15.90 | 15.90 | 6.20 | 14.44 | 14.44 | 6.71 | 13.57 | 13.57 | 7.39 |
| | 19°C | 24°C | 17.88 | 10.31 | 5.03 | 17.31 | 10.09 | 5.37 | 16.71 | 9.86 | 5.77 | 16.06 | 9.62 | 6.21 | 14.47 | 8.80 | 6.71 | 13.45 | 8.36 | 7.38 |
| | | 27°C | 17.95 | 12.07 | 5.04 | 17.38 | 11.83 | 5.38 | 16.78 | 11.57 | 5.77 | 16.14 | 11.30 | 6.22 | 14.54 | 10.35 | 6.72 | 13.52 | 9.86 | 7.39 |
| | | 30°C | 18.03 | 14.80 | 5.04 | 17.45 | 14.54 | 5.38 | 16.84 | 14.27 | 5.78 | 16.21 | 13.98 | 6.23 | 14.61 | 12.85 | 6.73 | 13.63 | 12.22 | 7.40 |
| | | 33°C | 18.31 | 18.31 | 5.06 | 17.84 | 17.84 | 5.42 | 17.35 | 17.35 | 5.83 | 16.83 | 16.83 | 6.29 | 15.29 | 15.29 | 6.81 | 14.39 | 14.39 | 7.49 |
| | 22°C | 27°C | 19.60 | 9.68 | 5.17 | 18.97 | 9.47 | 5.52 | 18.31 | 9.26 | 5.92 | 17.62 | 9.04 | 6.37 | 15.89 | 8.28 | 6.87 | 14.79 | 7.88 | 7.54 |
| | | 30°C | 19.64 | 12.02 | 5.17 | 19.02 | 11.78 | 5.52 | 18.37 | 11.53 | 5.92 | 17.68 | 11.27 | 6.37 | 15.94 | 10.34 | 6.88 | 14.85 | 9.85 | 7.55 |
| | | 33°C | 19.72 | 14.06 | 5.18 | 19.09 | 13.81 | 5.53 | 18.44 | 13.56 | 5.93 | 17.74 | 13.29 | 6.38 | 16.00 | 12.23 | 6.89 | 14.90 | 11.72 | 7.56 |
| | | 36°C | 19.79 | 16.07 | 5.18 | 19.16 | 15.83 | 5.53 | 18.51 | 15.54 | 5.94 | 17.87 | 15.21 | 6.39 | 16.20 | 14.06 | 6.91 | 15.23 | 13.41 | 7.60 |
| 1980 | 16°C | 21°C | 16.57 | 11.22 | 4.93 | 16.03 | 10.96 | 5.26 | 15.46 | 10.68 | 5.65 | 14.85 | 10.39 | 6.10 | 13.36 | 9.47 | 6.59 | 12.39 | 8.95 | 7.25 |
| | | 24°C | 16.68 | 13.37 | 4.94 | 16.14 | 13.10 | 5.27 | 15.56 | 12.82 | 5.66 | 14.95 | 12.52 | 6.11 | 13.45 | 11.47 | 6.60 | 12.48 | 10.91 | 7.26 |
| | | 27°C | 16.91 | 15.58 | 4.95 | 16.44 | 15.33 | 5.30 | 15.96 | 15.03 | 5.70 | 15.44 | 14.69 | 6.15 | 14.00 | 13.35 | 6.66 | 13.12 | 12.58 | 7.34 |
| | | 30°C | 17.90 | 17.90 | 5.03 | 17.42 | 17.42 | 5.38 | 16.92 | 16.92 | 5.79 | 16.39 | 16.39 | 6.25 | 14.87 | 14.87 | 6.76 | 13.97 | 13.97 | 7.44 |
| | 19°C | 24°C | 18.18 | 10.79 | 5.05 | 17.59 | 10.57 | 5.40 | 16.97 | 10.33 | 5.79 | 16.31 | 10.08 | 6.24 | 14.68 | 9.21 | 6.74 | 13.64 | 8.73 | 7.40 |
| | | 27°C | 18.27 | 12.63 | 5.06 | 17.69 | 12.38 | 5.40 | 17.06 | 12.11 | 5.80 | 16.40 | 11.84 | 6.25 | 14.77 | 10.85 | 6.75 | 13.72 | 10.34 | 7.41 |
| | | 30°C | 18.37 | 15.56 | 5.07 | 17.77 | 15.29 | 5.41 | 17.16 | 15.01 | 5.81 | 16.52 | 14.68 | 6.26 | 14.92 | 13.42 | 6.76 | 13.97 | 12.68 | 7.44 |
| | | 33°C | 18.91 | 18.91 | 5.11 | 18.42 | 18.42 | 5.47 | 17.90 | 17.90 | 5.88 | 17.35 | 17.35 | 6.34 | 15.76 | 15.76 | 6.86 | 14.83 | 14.83 | 7.55 |
| | 22°C | 27°C | 19.91 | 10.12 | 5.19 | 19.26 | 9.92 | 5.54 | 18.59 | 9.70 | 5.94 | 17.88 | 9.48 | 6.39 | 16.11 | 8.69 | 6.90 | 14.99 | 8.27 | 7.57 |
| | | 30°C | 19.97 | 12.59 | 5.20 | 19.33 | 12.34 | 5.55 | 18.66 | 12.09 | 5.95 | 17.96 | 11.82 | 6.40 | 16.19 | 10.84 | 6.91 | 15.07 | 10.34 | 7.58 |
| | | 33°C | 20.07 | 14.79 | 5.21 | 19.42 | 14.54 | 5.56 | 18.75 | 14.27 | 5.96 | 18.04 | 14.00 | 6.41 | 16.25 | 12.89 | 6.92 | 15.13 | 12.36 | 7.59 |
| | | 36°C | 20.17 | 16.94 | 5.22 | 19.57 | 16.62 | 5.57 | 18.95 | 16.26 | 5.98 | 18.34 | 15.83 | 6.44 | 16.67 | 14.56 | 6.96 | 15.70 | 13.82 | 7.66 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. [shaded] shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT080AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 2543 | 16°C | 21°C | 23.17 | 17.43 | 7.37 | 22.44 | 17.05 | 7.88 | 21.66 | 16.64 | 8.47 | 20.82 | 16.21 | 9.14 | 18.74 | 14.80 | 9.89 | 17.40 | 14.00 | 10.89 |
| | | 24°C | 23.26 | 20.77 | 7.38 | 22.53 | 20.33 | 7.89 | 21.75 | 19.88 | 8.48 | 20.92 | 19.39 | 9.15 | 18.84 | 17.75 | 9.90 | 17.49 | 16.87 | 10.90 |
| | | 27°C | 23.35 | 23.35 | 7.39 | 22.64 | 22.64 | 7.90 | 21.88 | 21.88 | 8.49 | 21.10 | 21.10 | 9.17 | 19.10 | 19.10 | 9.93 | 17.92 | 17.92 | 10.95 |
| | | 30°C | 24.28 | 24.28 | 7.46 | 23.66 | 23.66 | 7.99 | 23.00 | 23.00 | 8.59 | 22.30 | 22.30 | 9.29 | 20.26 | 20.26 | 10.06 | 19.05 | 19.05 | 11.09 |
| | 19°C | 24°C | 25.46 | 16.47 | 7.56 | 24.67 | 16.11 | 8.07 | 23.82 | 15.73 | 8.67 | 22.92 | 15.33 | 9.35 | 20.65 | 14.01 | 10.10 | 19.20 | 13.30 | 11.11 |
| | | 27°C | 25.53 | 19.24 | 7.56 | 24.73 | 18.85 | 8.08 | 23.89 | 18.43 | 8.68 | 22.99 | 17.99 | 9.35 | 20.72 | 16.48 | 10.11 | 19.28 | 15.67 | 11.12 |
| | | 30°C | 25.62 | 23.48 | 7.57 | 24.82 | 23.05 | 8.09 | 23.96 | 22.61 | 8.69 | 23.06 | 22.14 | 9.36 | 20.79 | 20.35 | 10.12 | 19.36 | 19.36 | 11.13 |
| | | 33°C | 25.77 | 25.77 | 7.58 | 25.04 | 25.04 | 8.11 | 24.31 | 24.31 | 8.72 | 23.58 | 23.58 | 9.41 | 21.44 | 21.44 | 10.19 | 20.19 | 20.19 | 11.23 |
| | 22°C | 27°C | 27.93 | 15.47 | 7.76 | 27.05 | 15.13 | 8.29 | 26.13 | 14.78 | 8.90 | 25.16 | 14.41 | 9.58 | 22.70 | 13.19 | 10.34 | 21.13 | 12.53 | 11.35 |
| | | 30°C | 27.97 | 19.13 | 7.77 | 27.09 | 18.75 | 8.29 | 26.18 | 18.35 | 8.90 | 25.21 | 17.93 | 9.58 | 22.74 | 16.44 | 10.34 | 21.19 | 15.66 | 11.36 |
| | | 33°C | 28.05 | 22.29 | 7.78 | 27.18 | 21.89 | 8.30 | 26.26 | 21.48 | 8.91 | 25.29 | 21.04 | 9.59 | 22.82 | 19.35 | 10.35 | 21.26 | 18.52 | 11.37 |
| | | 36°C | 28.13 | 25.38 | 7.78 | 27.26 | 24.98 | 8.31 | 26.33 | 24.56 | 8.92 | 25.36 | 24.12 | 9.60 | 22.91 | 22.22 | 10.37 | 21.45 | 21.18 | 11.39 |
| 2826 | 16°C | 21°C | 23.66 | 18.14 | 7.41 | 22.90 | 17.75 | 7.92 | 22.09 | 17.33 | 8.51 | 21.22 | 16.85 | 9.18 | 19.10 | 15.37 | 9.93 | 17.73 | 14.53 | 10.93 |
| | | 24°C | 23.78 | 21.62 | 7.42 | 23.03 | 21.18 | 7.93 | 22.22 | 20.71 | 8.52 | 21.35 | 20.22 | 9.19 | 19.22 | 18.52 | 9.94 | 17.83 | 17.60 | 10.94 |
| | | 27°C | 23.95 | 23.95 | 7.44 | 23.24 | 23.24 | 7.95 | 22.51 | 22.51 | 8.55 | 21.79 | 21.79 | 9.23 | 19.76 | 19.76 | 10.00 | 18.53 | 18.53 | 11.03 |
| | | 30°C | 25.19 | 25.19 | 7.54 | 24.54 | 24.54 | 8.06 | 23.85 | 23.85 | 8.67 | 23.10 | 23.10 | 9.37 | 20.98 | 20.98 | 10.14 | 19.71 | 19.71 | 11.17 |
| | 19°C | 24°C | 25.98 | 17.12 | 7.60 | 25.16 | 16.76 | 8.12 | 24.27 | 16.37 | 8.71 | 23.34 | 15.97 | 9.39 | 21.02 | 14.61 | 10.14 | 19.54 | 13.88 | 11.15 |
| | | 27°C | 26.08 | 20.04 | 7.61 | 25.25 | 19.64 | 8.13 | 24.38 | 19.21 | 8.72 | 23.45 | 18.76 | 9.40 | 21.12 | 17.19 | 10.16 | 19.64 | 16.37 | 11.16 |
| | | 30°C | 26.20 | 24.58 | 7.62 | 25.36 | 24.15 | 8.14 | 24.47 | 23.69 | 8.74 | 23.55 | 23.22 | 9.41 | 21.23 | 21.23 | 10.17 | 19.80 | 19.80 | 11.18 |
| | | 33°C | 26.61 | 26.61 | 7.65 | 25.93 | 25.93 | 8.19 | 25.21 | 25.21 | 8.80 | 24.45 | 24.45 | 9.50 | 22.22 | 22.22 | 10.29 | 20.91 | 20.91 | 11.33 |
| | 22°C | 27°C | 28.47 | 16.07 | 7.81 | 27.56 | 15.73 | 8.34 | 26.61 | 15.38 | 8.94 | 25.60 | 15.01 | 9.62 | 23.08 | 13.74 | 10.39 | 21.49 | 13.08 | 11.40 |
| | | 30°C | 28.54 | 19.96 | 7.82 | 27.63 | 19.56 | 8.34 | 26.68 | 19.15 | 8.95 | 25.68 | 18.71 | 9.63 | 23.16 | 17.16 | 10.39 | 21.57 | 16.36 | 11.41 |
| | | 33°C | 28.65 | 23.34 | 7.83 | 27.74 | 22.94 | 8.35 | 26.79 | 22.51 | 8.96 | 25.78 | 22.07 | 9.64 | 23.25 | 20.31 | 10.41 | 21.66 | 19.45 | 11.42 |
| | | 36°C | 28.75 | 26.69 | 7.84 | 27.84 | 26.28 | 8.36 | 26.90 | 25.81 | 8.97 | 25.97 | 25.26 | 9.66 | 23.54 | 23.35 | 10.44 | 22.13 | 22.13 | 11.48 |
| 3109 | 16°C | 21°C | 24.08 | 18.63 | 7.45 | 23.29 | 18.20 | 7.95 | 22.46 | 17.74 | 8.54 | 21.58 | 17.25 | 9.21 | 19.41 | 15.73 | 9.96 | 18.00 | 14.87 | 10.96 |
| | | 24°C | 24.24 | 22.20 | 7.46 | 23.45 | 21.75 | 7.97 | 22.61 | 21.28 | 8.56 | 21.72 | 20.78 | 9.23 | 19.53 | 19.04 | 9.98 | 18.13 | 18.12 | 10.98 |
| | | 27°C | 24.57 | 24.57 | 7.49 | 23.89 | 23.89 | 8.01 | 23.19 | 23.19 | 8.61 | 22.43 | 22.43 | 9.30 | 20.33 | 20.33 | 10.07 | 19.07 | 19.07 | 11.09 |
| | | 30°C | 26.00 | 26.00 | 7.60 | 25.31 | 25.31 | 8.13 | 24.59 | 24.59 | 8.74 | 23.81 | 23.81 | 9.44 | 21.61 | 21.61 | 10.21 | 20.29 | 20.29 | 11.25 |
| | 19°C | 24°C | 26.41 | 17.92 | 7.64 | 25.56 | 17.55 | 8.15 | 24.65 | 17.16 | 8.75 | 23.70 | 16.74 | 9.43 | 21.33 | 15.30 | 10.18 | 19.82 | 14.49 | 11.19 |
| | | 27°C | 26.55 | 20.97 | 7.65 | 25.70 | 20.56 | 8.17 | 24.79 | 20.11 | 8.76 | 23.83 | 19.65 | 9.44 | 21.46 | 18.02 | 10.20 | 19.94 | 17.17 | 11.20 |
| | | 30°C | 26.69 | 25.84 | 7.66 | 25.81 | 25.39 | 8.18 | 24.93 | 24.92 | 8.78 | 24.00 | 24.00 | 9.46 | 21.68 | 21.68 | 10.22 | 20.30 | 20.30 | 11.25 |
| | | 33°C | 27.47 | 27.47 | 7.73 | 26.76 | 26.76 | 8.26 | 26.01 | 26.01 | 8.88 | 25.21 | 25.21 | 9.58 | 22.90 | 22.90 | 10.37 | 21.55 | 21.55 | 11.41 |
| | 22°C | 27°C | 28.93 | 16.81 | 7.85 | 27.99 | 16.47 | 8.38 | 27.01 | 16.11 | 8.98 | 25.98 | 15.74 | 9.66 | 23.41 | 14.44 | 10.42 | 21.78 | 13.74 | 11.44 |
| | | 30°C | 29.02 | 20.91 | 7.86 | 28.09 | 20.50 | 8.39 | 27.12 | 20.07 | 8.99 | 26.09 | 19.62 | 9.68 | 23.52 | 18.00 | 10.44 | 21.89 | 17.18 | 11.45 |
| | | 33°C | 29.16 | 24.56 | 7.87 | 28.22 | 24.14 | 8.40 | 27.24 | 23.70 | 9.01 | 26.20 | 23.25 | 9.69 | 23.62 | 21.41 | 10.45 | 21.99 | 20.52 | 11.47 |
| | | 36°C | 29.31 | 28.12 | 7.88 | 28.43 | 27.60 | 8.42 | 27.53 | 26.99 | 9.03 | 26.64 | 26.29 | 9.74 | 24.22 | 24.17 | 10.52 | 22.82 | 22.82 | 11.57 |

## Model: MRT100AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 3179 | 16°C | 21°C | 28.95 | 20.97 | 9.30 | 28.04 | 20.50 | 9.94 | 27.06 | 20.02 | 10.68 | 26.02 | 19.49 | 11.53 | 23.41 | 17.80 | 12.48 | 21.75 | 16.84 | 13.74 |
| | | 24°C | 29.07 | 24.97 | 9.31 | 28.15 | 24.46 | 9.95 | 27.18 | 23.91 | 10.70 | 26.14 | 23.32 | 11.54 | 23.54 | 21.35 | 12.49 | 21.86 | 20.29 | 13.75 |
| | | 27°C | 29.17 | 28.75 | 9.32 | 28.28 | 28.21 | 9.97 | 27.33 | 27.33 | 10.71 | 26.36 | 26.36 | 11.56 | 23.86 | 23.86 | 12.53 | 22.40 | 22.40 | 13.82 |
| | | 30°C | 30.33 | 30.33 | 9.42 | 29.57 | 29.57 | 10.08 | 28.74 | 28.74 | 10.84 | 27.86 | 27.86 | 11.72 | 25.31 | 25.31 | 12.69 | 23.80 | 23.80 | 13.99 |
| | 19°C | 24°C | 31.81 | 19.81 | 9.54 | 30.82 | 19.38 | 10.19 | 29.76 | 18.92 | 10.94 | 28.64 | 18.44 | 11.79 | 25.80 | 16.85 | 12.74 | 23.99 | 15.99 | 14.01 |
| | | 27°C | 31.89 | 23.14 | 9.54 | 30.90 | 22.67 | 10.19 | 29.85 | 22.17 | 10.95 | 28.73 | 21.64 | 11.80 | 25.89 | 19.82 | 12.76 | 24.09 | 18.85 | 14.03 |
| | | 30°C | 32.02 | 28.24 | 9.55 | 31.01 | 27.73 | 10.21 | 29.94 | 27.19 | 10.96 | 28.81 | 26.62 | 11.81 | 25.98 | 24.47 | 12.77 | 24.19 | 23.40 | 14.04 |
| | | 33°C | 32.20 | 32.20 | 9.57 | 31.28 | 31.28 | 10.23 | 30.37 | 30.37 | 11.00 | 29.46 | 29.46 | 11.88 | 26.79 | 26.79 | 12.86 | 25.23 | 25.23 | 14.17 |
| | 22°C | 27°C | 34.90 | 18.61 | 9.80 | 33.80 | 18.20 | 10.46 | 32.65 | 17.78 | 11.22 | 31.44 | 17.33 | 12.08 | 28.36 | 15.86 | 13.05 | 26.40 | 15.06 | 14.33 |
| | | 30°C | 34.95 | 23.00 | 9.80 | 33.85 | 22.55 | 10.47 | 32.71 | 22.07 | 11.23 | 31.50 | 21.56 | 12.09 | 28.42 | 19.77 | 13.05 | 26.47 | 18.83 | 14.33 |
| | | 33°C | 35.05 | 26.81 | 9.81 | 33.95 | 26.33 | 10.48 | 32.81 | 25.83 | 11.24 | 31.60 | 25.31 | 12.10 | 28.51 | 23.28 | 13.06 | 26.56 | 22.27 | 14.35 |
| | | 36°C | 35.15 | 30.52 | 9.82 | 34.05 | 30.04 | 10.48 | 32.89 | 29.53 | 11.25 | 31.69 | 29.01 | 12.11 | 28.62 | 26.72 | 13.08 | 26.80 | 25.47 | 14.38 |
| 3532 | 16°C | 21°C | 29.56 | 21.81 | 9.35 | 28.62 | 21.35 | 9.99 | 27.60 | 20.84 | 10.74 | 26.52 | 20.27 | 11.58 | 23.87 | 18.49 | 12.53 | 22.15 | 17.47 | 13.78 |
| | | 24°C | 29.72 | 26.00 | 9.37 | 28.77 | 25.47 | 10.01 | 27.76 | 24.91 | 10.75 | 26.68 | 24.31 | 11.60 | 24.01 | 22.27 | 12.54 | 22.28 | 21.17 | 13.80 |
| | | 27°C | 29.92 | 29.92 | 9.38 | 29.04 | 29.04 | 10.03 | 28.13 | 28.13 | 10.79 | 27.22 | 27.22 | 11.65 | 24.69 | 24.69 | 12.62 | 23.16 | 23.16 | 13.91 |
| | | 30°C | 31.47 | 31.47 | 9.51 | 30.67 | 30.67 | 10.17 | 29.79 | 29.79 | 10.94 | 28.87 | 28.87 | 11.82 | 26.21 | 26.21 | 12.79 | 24.63 | 24.63 | 14.10 |
| | 19°C | 24°C | 32.46 | 20.59 | 9.59 | 31.43 | 20.16 | 10.24 | 30.33 | 19.69 | 10.99 | 29.16 | 19.21 | 11.85 | 26.26 | 17.57 | 12.80 | 24.42 | 16.69 | 14.07 |
| | | 27°C | 32.58 | 24.10 | 9.60 | 31.55 | 23.61 | 10.25 | 30.46 | 23.10 | 11.01 | 29.30 | 22.56 | 11.86 | 26.39 | 20.67 | 12.81 | 24.54 | 19.69 | 14.08 |
| | | 30°C | 32.73 | 29.56 | 9.61 | 31.69 | 29.04 | 10.27 | 30.58 | 28.49 | 11.02 | 29.43 | 27.92 | 11.88 | 26.53 | 25.66 | 12.83 | 24.74 | 24.41 | 14.11 |
| | | 33°C | 33.24 | 33.24 | 9.66 | 32.39 | 32.39 | 10.33 | 31.50 | 31.50 | 11.11 | 30.54 | 30.54 | 11.99 | 27.76 | 27.76 | 12.98 | 26.13 | 26.13 | 14.29 |
| | 22°C | 27°C | 35.58 | 19.33 | 9.85 | 34.44 | 18.92 | 10.52 | 33.25 | 18.49 | 11.28 | 31.99 | 18.05 | 12.14 | 28.84 | 16.53 | 13.10 | 26.85 | 15.73 | 14.38 |
| | | 30°C | 35.66 | 24.01 | 9.86 | 34.52 | 23.53 | 10.53 | 33.34 | 23.03 | 11.29 | 32.09 | 22.51 | 12.15 | 28.94 | 20.64 | 13.11 | 26.95 | 19.68 | 14.39 |
| | | 33°C | 35.80 | 28.07 | 9.87 | 34.66 | 27.59 | 10.54 | 33.47 | 27.07 | 11.31 | 32.21 | 26.54 | 12.17 | 29.05 | 24.43 | 13.13 | 27.06 | 23.39 | 14.41 |
| | | 36°C | 35.92 | 32.10 | 9.89 | 34.78 | 31.60 | 10.55 | 33.61 | 31.04 | 11.32 | 32.45 | 30.38 | 12.19 | 29.41 | 28.08 | 13.17 | 27.65 | 26.78 | 14.49 |
| 3885 | 16°C | 21°C | 30.09 | 22.41 | 9.40 | 29.10 | 21.89 | 10.04 | 28.06 | 21.33 | 10.78 | 26.96 | 20.75 | 11.62 | 24.25 | 18.92 | 12.57 | 22.49 | 17.88 | 13.83 |
| | | 24°C | 30.28 | 26.70 | 9.41 | 29.30 | 26.16 | 10.05 | 28.25 | 25.60 | 10.80 | 27.14 | 24.99 | 11.64 | 24.41 | 22.90 | 12.59 | 22.65 | 21.80 | 13.85 |
| | | 27°C | 30.70 | 30.70 | 9.44 | 29.85 | 29.85 | 10.10 | 28.97 | 28.97 | 10.86 | 28.03 | 28.03 | 11.73 | 25.41 | 25.41 | 12.70 | 23.82 | 23.82 | 13.99 |
| | | 30°C | 32.49 | 32.49 | 9.59 | 31.63 | 31.63 | 10.26 | 30.72 | 30.72 | 11.03 | 29.75 | 29.75 | 11.91 | 27.00 | 27.00 | 12.89 | 25.36 | 25.36 | 14.19 |
| | 19°C | 24°C | 33.00 | 21.55 | 9.64 | 31.94 | 21.10 | 10.29 | 30.80 | 20.64 | 11.04 | 29.61 | 20.13 | 11.89 | 26.66 | 18.40 | 12.84 | 24.77 | 17.43 | 14.11 |
| | | 27°C | 33.17 | 25.22 | 9.65 | 32.11 | 24.72 | 10.30 | 30.97 | 24.19 | 11.06 | 29.78 | 23.64 | 11.91 | 26.81 | 21.67 | 12.86 | 24.91 | 20.65 | 14.13 |
| | | 30°C | 33.34 | 31.08 | 9.67 | 32.25 | 30.54 | 10.32 | 31.15 | 29.96 | 11.08 | 29.98 | 29.32 | 11.93 | 27.09 | 26.81 | 12.90 | 25.36 | 25.31 | 14.19 |
| | | 33°C | 34.32 | 34.32 | 9.75 | 33.43 | 33.43 | 10.43 | 32.50 | 32.50 | 11.21 | 31.50 | 31.50 | 12.09 | 28.62 | 28.62 | 13.08 | 26.92 | 26.92 | 14.39 |
| | 22°C | 27°C | 36.14 | 20.22 | 9.90 | 34.97 | 19.80 | 10.57 | 33.74 | 19.37 | 11.33 | 32.46 | 18.93 | 12.19 | 29.25 | 17.36 | 13.15 | 27.21 | 16.52 | 14.43 |
| | | 30°C | 36.26 | 25.15 | 9.91 | 35.10 | 24.65 | 10.58 | 33.88 | 24.14 | 11.35 | 32.60 | 23.60 | 12.21 | 29.38 | 21.65 | 13.17 | 27.35 | 20.66 | 14.45 |
| | | 33°C | 36.43 | 29.53 | 9.93 | 35.26 | 29.03 | 10.60 | 34.03 | 28.50 | 11.36 | 32.74 | 27.96 | 12.23 | 29.51 | 25.74 | 13.19 | 27.47 | 24.67 | 14.47 |
| | | 36°C | 36.62 | 33.82 | 9.95 | 35.52 | 33.19 | 10.62 | 34.40 | 32.46 | 11.40 | 33.29 | 31.62 | 12.28 | 30.26 | 29.07 | 13.28 | 28.51 | 27.61 | 14.60 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (shaded) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT120AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 3240 | 16°C | 21°C | 30.41 | 22.88 | 9.10 | 29.44 | 22.37 | 9.72 | 28.42 | 21.84 | 10.45 | 27.32 | 21.27 | 11.28 | 24.59 | 19.42 | 12.20 | 22.84 | 18.37 | 13.43 |
| | | 24°C | 30.52 | 27.25 | 9.11 | 29.56 | 26.68 | 9.74 | 28.54 | 26.08 | 10.46 | 27.45 | 25.45 | 11.29 | 24.72 | 23.29 | 12.21 | 22.95 | 22.13 | 13.45 |
| | | 27°C | 30.64 | 30.64 | 9.12 | 29.70 | 29.70 | 9.75 | 28.71 | 28.71 | 10.48 | 27.69 | 27.69 | 11.31 | 25.06 | 25.06 | 12.25 | 23.52 | 23.52 | 13.51 |
| | | 30°C | 31.85 | 31.85 | 9.21 | 31.05 | 31.05 | 9.86 | 30.19 | 30.19 | 10.61 | 29.26 | 29.26 | 11.46 | 26.58 | 26.58 | 12.41 | 24.99 | 24.99 | 13.69 |
| | 19°C | 24°C | 33.41 | 21.61 | 9.33 | 32.37 | 21.14 | 9.96 | 31.26 | 20.64 | 10.70 | 30.08 | 20.12 | 11.53 | 27.10 | 18.39 | 12.47 | 25.19 | 17.45 | 13.71 |
| | | 27°C | 33.49 | 25.25 | 9.33 | 32.45 | 24.73 | 9.97 | 31.34 | 24.18 | 10.71 | 30.17 | 23.61 | 11.54 | 27.19 | 21.62 | 12.48 | 25.30 | 20.57 | 13.72 |
| | | 30°C | 33.62 | 30.81 | 9.34 | 32.56 | 30.25 | 9.98 | 31.44 | 29.66 | 10.72 | 30.26 | 29.05 | 11.56 | 27.28 | 26.70 | 12.49 | 25.40 | 25.40 | 13.73 |
| | | 33°C | 33.82 | 33.82 | 9.36 | 32.85 | 32.85 | 10.01 | 31.89 | 31.89 | 10.76 | 30.94 | 30.94 | 11.62 | 28.13 | 28.13 | 12.58 | 26.50 | 26.50 | 13.86 |
| | 22°C | 27°C | 36.65 | 20.30 | 9.58 | 35.50 | 19.86 | 10.23 | 34.29 | 19.39 | 10.98 | 33.02 | 18.91 | 11.82 | 29.78 | 17.30 | 12.76 | 27.73 | 16.44 | 14.01 |
| | | 30°C | 36.71 | 25.10 | 9.59 | 35.55 | 24.60 | 10.24 | 34.35 | 24.08 | 10.98 | 33.08 | 23.53 | 11.83 | 29.84 | 21.57 | 12.77 | 27.80 | 20.55 | 14.02 |
| | | 33°C | 36.81 | 29.25 | 9.59 | 35.66 | 28.72 | 10.25 | 34.45 | 28.18 | 10.99 | 33.18 | 27.61 | 11.84 | 29.94 | 25.40 | 12.78 | 27.90 | 24.30 | 14.03 |
| | | 36°C | 36.91 | 33.30 | 9.60 | 35.76 | 32.78 | 10.25 | 34.54 | 32.22 | 11.00 | 33.28 | 31.65 | 11.85 | 30.06 | 29.16 | 12.79 | 28.14 | 27.79 | 14.06 |
| 3600 | 16°C | 21°C | 31.05 | 23.80 | 9.15 | 30.05 | 23.29 | 9.77 | 28.98 | 22.73 | 10.50 | 27.85 | 22.12 | 11.33 | 25.06 | 20.17 | 12.25 | 23.26 | 19.06 | 13.48 |
| | | 24°C | 31.21 | 28.37 | 9.16 | 30.21 | 27.79 | 9.79 | 29.15 | 27.18 | 10.51 | 28.02 | 26.53 | 11.34 | 25.22 | 24.29 | 12.27 | 23.40 | 23.10 | 13.50 |
| | | 27°C | 31.42 | 31.42 | 9.18 | 30.49 | 30.49 | 9.81 | 29.54 | 29.54 | 10.55 | 28.59 | 28.59 | 11.39 | 25.92 | 25.92 | 12.34 | 24.32 | 24.32 | 13.61 |
| | | 30°C | 33.05 | 33.05 | 9.30 | 32.20 | 32.20 | 9.95 | 31.29 | 31.29 | 10.70 | 30.32 | 30.32 | 11.56 | 27.52 | 27.52 | 12.51 | 25.86 | 25.86 | 13.79 |
| | 19°C | 24°C | 34.09 | 22.46 | 9.38 | 33.01 | 21.99 | 10.02 | 31.85 | 21.49 | 10.75 | 30.63 | 20.96 | 11.59 | 27.58 | 19.17 | 12.52 | 25.64 | 18.21 | 13.76 |
| | | 27°C | 34.22 | 26.29 | 9.39 | 33.14 | 25.77 | 10.03 | 31.99 | 25.20 | 10.77 | 30.77 | 24.62 | 11.60 | 27.72 | 22.56 | 12.53 | 25.78 | 21.48 | 13.77 |
| | | 30°C | 34.37 | 32.25 | 9.40 | 33.27 | 31.68 | 10.04 | 32.11 | 31.08 | 10.78 | 30.91 | 30.46 | 11.62 | 27.86 | 27.86 | 12.55 | 25.98 | 25.98 | 13.80 |
| | | 33°C | 34.91 | 34.91 | 9.44 | 34.02 | 34.02 | 10.10 | 33.08 | 33.08 | 10.87 | 32.08 | 32.08 | 11.73 | 29.16 | 29.16 | 12.69 | 27.44 | 27.44 | 13.98 |
| | 22°C | 27°C | 37.36 | 21.09 | 9.64 | 36.16 | 20.64 | 10.29 | 34.92 | 20.18 | 11.03 | 33.60 | 19.69 | 11.88 | 30.29 | 18.03 | 12.82 | 28.19 | 17.16 | 14.07 |
| | | 30°C | 37.45 | 26.19 | 9.65 | 36.26 | 25.67 | 10.30 | 35.01 | 25.13 | 11.04 | 33.70 | 24.56 | 11.89 | 30.39 | 22.52 | 12.83 | 28.30 | 21.47 | 14.08 |
| | | 33°C | 37.59 | 30.63 | 9.66 | 36.40 | 30.10 | 10.31 | 35.15 | 29.54 | 11.06 | 33.83 | 28.96 | 11.90 | 30.51 | 26.65 | 12.84 | 28.42 | 25.52 | 14.09 |
| | | 36°C | 37.72 | 35.02 | 9.67 | 36.53 | 34.48 | 10.32 | 35.30 | 33.86 | 11.07 | 34.07 | 33.15 | 11.93 | 30.89 | 30.64 | 12.88 | 29.04 | 29.04 | 14.17 |
| 3960 | 16°C | 21°C | 31.60 | 24.45 | 9.19 | 30.56 | 23.88 | 9.82 | 29.47 | 23.28 | 10.54 | 28.32 | 22.64 | 11.37 | 25.47 | 20.64 | 12.29 | 23.62 | 19.51 | 13.53 |
| | | 24°C | 31.80 | 29.13 | 9.21 | 30.77 | 28.55 | 9.83 | 29.67 | 27.93 | 10.56 | 28.51 | 27.27 | 11.39 | 25.63 | 24.98 | 12.31 | 23.78 | 23.78 | 13.55 |
| | | 27°C | 32.25 | 32.25 | 9.24 | 31.35 | 31.35 | 9.88 | 30.43 | 30.43 | 10.63 | 29.44 | 29.44 | 11.47 | 26.68 | 26.68 | 12.42 | 25.02 | 25.02 | 13.69 |
| | | 30°C | 34.12 | 34.12 | 9.38 | 33.21 | 33.21 | 10.04 | 32.26 | 32.26 | 10.79 | 31.24 | 31.24 | 11.65 | 28.35 | 28.35 | 12.60 | 26.63 | 26.63 | 13.88 |
| | 19°C | 24°C | 34.66 | 23.51 | 9.43 | 33.54 | 23.03 | 10.06 | 32.35 | 22.52 | 10.80 | 31.09 | 21.97 | 11.63 | 27.99 | 20.07 | 12.56 | 26.01 | 19.02 | 13.80 |
| | | 27°C | 34.83 | 27.52 | 9.44 | 33.72 | 26.97 | 10.08 | 32.52 | 26.39 | 10.82 | 31.27 | 25.79 | 11.65 | 28.16 | 23.65 | 12.58 | 26.16 | 22.53 | 13.82 |
| | | 30°C | 35.02 | 33.91 | 9.45 | 33.87 | 33.32 | 10.09 | 32.71 | 32.69 | 10.83 | 31.49 | 31.49 | 11.67 | 28.45 | 28.45 | 12.61 | 26.63 | 26.63 | 13.88 |
| | | 33°C | 36.04 | 36.04 | 9.53 | 35.11 | 35.11 | 10.20 | 34.13 | 34.13 | 10.96 | 33.08 | 33.08 | 11.83 | 30.05 | 30.05 | 12.79 | 28.27 | 28.27 | 14.08 |
| | 22°C | 27°C | 37.95 | 22.06 | 9.69 | 36.73 | 21.61 | 10.34 | 35.44 | 21.14 | 11.08 | 34.09 | 20.66 | 11.93 | 30.72 | 18.94 | 12.86 | 28.58 | 18.02 | 14.11 |
| | | 30°C | 38.08 | 27.44 | 9.70 | 36.86 | 26.90 | 10.35 | 35.58 | 26.33 | 11.10 | 34.23 | 25.75 | 11.94 | 30.86 | 23.63 | 12.88 | 28.72 | 22.54 | 14.13 |
| | | 33°C | 38.26 | 32.22 | 9.71 | 37.03 | 31.67 | 10.36 | 35.74 | 31.10 | 11.11 | 34.38 | 30.50 | 11.96 | 30.99 | 28.09 | 12.90 | 28.85 | 26.92 | 14.15 |
| | | 36°C | 38.45 | 36.90 | 9.73 | 37.30 | 36.22 | 10.39 | 36.13 | 35.42 | 11.15 | 34.96 | 34.50 | 12.02 | 31.78 | 31.72 | 12.99 | 29.94 | 29.94 | 14.28 |

## Model: MRT150AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 5085 | 16°C | 21°C | 43.48 | 32.71 | 14.59 | 42.10 | 31.99 | 15.59 | 40.64 | 31.23 | 16.76 | 39.07 | 30.42 | 18.08 | 35.16 | 27.77 | 19.56 | 32.66 | 26.27 | 21.54 |
| | | 24°C | 43.65 | 38.97 | 14.61 | 42.27 | 38.16 | 15.61 | 40.81 | 37.30 | 16.77 | 39.25 | 36.39 | 18.10 | 35.34 | 33.31 | 19.59 | 32.82 | 31.65 | 21.56 |
| | | 27°C | 43.81 | 43.81 | 14.62 | 42.47 | 42.47 | 15.63 | 41.05 | 41.05 | 16.80 | 39.59 | 39.59 | 18.14 | 35.84 | 35.84 | 19.64 | 33.63 | 33.63 | 21.67 |
| | | 30°C | 45.55 | 45.55 | 14.77 | 44.40 | 44.40 | 15.80 | 43.16 | 43.16 | 17.00 | 41.84 | 41.84 | 18.37 | 38.01 | 38.01 | 19.90 | 35.74 | 35.74 | 21.94 |
| | 19°C | 24°C | 47.77 | 30.90 | 14.96 | 46.29 | 30.23 | 15.98 | 44.70 | 29.52 | 17.16 | 43.01 | 28.77 | 18.49 | 38.74 | 26.30 | 19.99 | 36.02 | 24.95 | 21.98 |
| | | 27°C | 47.89 | 36.10 | 14.97 | 46.40 | 35.36 | 15.99 | 44.82 | 34.58 | 17.17 | 43.14 | 33.76 | 18.51 | 38.88 | 30.92 | 20.00 | 36.18 | 29.41 | 22.00 |
| | | 30°C | 48.08 | 44.06 | 14.98 | 46.56 | 43.26 | 16.01 | 44.96 | 42.42 | 17.19 | 43.27 | 41.54 | 18.53 | 39.02 | 38.19 | 20.03 | 36.32 | 36.32 | 22.02 |
| | | 33°C | 48.36 | 48.36 | 15.01 | 46.98 | 46.98 | 16.04 | 45.61 | 45.61 | 17.25 | 44.24 | 44.24 | 18.63 | 40.23 | 40.23 | 20.17 | 37.89 | 37.89 | 22.23 |
| | 22°C | 27°C | 52.41 | 29.04 | 15.36 | 50.76 | 28.39 | 16.41 | 49.03 | 27.73 | 17.60 | 47.22 | 27.04 | 18.95 | 42.59 | 24.74 | 20.46 | 39.65 | 23.50 | 22.47 |
| | | 30°C | 52.49 | 35.89 | 15.37 | 50.84 | 35.18 | 16.41 | 49.12 | 34.44 | 17.61 | 47.31 | 33.64 | 18.96 | 42.68 | 30.84 | 20.47 | 39.76 | 29.38 | 22.48 |
| | | 33°C | 52.63 | 41.82 | 15.38 | 50.99 | 41.08 | 16.43 | 49.27 | 40.30 | 17.63 | 47.45 | 39.48 | 18.98 | 42.81 | 36.32 | 20.49 | 39.89 | 34.75 | 22.50 |
| | | 36°C | 52.78 | 47.62 | 15.40 | 51.14 | 46.87 | 16.44 | 49.40 | 46.08 | 17.64 | 47.59 | 45.26 | 19.00 | 42.98 | 41.69 | 20.51 | 40.24 | 39.74 | 22.55 |
| 5650 | 16°C | 21°C | 44.40 | 34.03 | 14.67 | 42.97 | 33.31 | 15.67 | 41.44 | 32.51 | 16.84 | 39.82 | 31.63 | 18.16 | 35.84 | 28.84 | 19.64 | 33.26 | 27.26 | 21.62 |
| | | 24°C | 44.63 | 40.57 | 14.69 | 43.20 | 39.74 | 15.69 | 41.69 | 38.87 | 16.86 | 40.07 | 37.93 | 18.19 | 36.06 | 34.74 | 19.67 | 33.45 | 33.03 | 21.65 |
| | | 27°C | 44.94 | 44.94 | 14.71 | 43.60 | 43.60 | 15.73 | 42.24 | 42.24 | 16.91 | 40.88 | 40.88 | 18.27 | 37.07 | 37.07 | 19.79 | 34.78 | 34.78 | 21.82 |
| | | 30°C | 47.27 | 47.27 | 14.91 | 46.05 | 46.05 | 15.96 | 44.74 | 44.74 | 17.16 | 43.35 | 43.35 | 18.53 | 39.36 | 39.36 | 20.06 | 36.99 | 36.99 | 22.11 |
| | 19°C | 24°C | 48.75 | 32.12 | 15.04 | 47.20 | 31.45 | 16.06 | 45.55 | 30.72 | 17.24 | 43.80 | 29.97 | 18.58 | 39.44 | 27.42 | 20.07 | 36.67 | 26.04 | 22.06 |
| | | 27°C | 48.93 | 37.60 | 15.06 | 47.38 | 36.84 | 16.08 | 45.74 | 36.04 | 17.26 | 44.00 | 35.20 | 18.60 | 39.63 | 32.26 | 20.10 | 36.86 | 30.72 | 22.09 |
| | | 30°C | 49.15 | 46.12 | 15.08 | 47.58 | 45.31 | 16.10 | 45.92 | 44.45 | 17.29 | 44.19 | 43.56 | 18.62 | 39.84 | 39.84 | 20.12 | 37.15 | 37.15 | 22.13 |
| | | 33°C | 49.92 | 49.92 | 15.14 | 48.65 | 48.65 | 16.20 | 47.30 | 47.30 | 17.42 | 45.87 | 45.87 | 18.80 | 41.69 | 41.69 | 20.35 | 39.24 | 39.24 | 22.41 |
| | 22°C | 27°C | 53.42 | 30.16 | 15.45 | 51.71 | 29.52 | 16.50 | 49.93 | 28.85 | 17.69 | 48.04 | 28.16 | 19.04 | 43.31 | 25.79 | 20.55 | 40.31 | 24.54 | 22.55 |
| | | 30°C | 53.55 | 37.45 | 15.47 | 51.85 | 36.70 | 16.51 | 50.07 | 35.93 | 17.71 | 48.19 | 35.12 | 19.06 | 43.45 | 32.21 | 20.57 | 40.47 | 30.70 | 22.57 |
| | | 33°C | 53.76 | 43.80 | 15.49 | 52.06 | 43.04 | 16.53 | 50.26 | 42.24 | 17.73 | 48.37 | 41.41 | 19.08 | 43.63 | 38.11 | 20.59 | 40.63 | 36.50 | 22.60 |
| | | 36°C | 53.95 | 50.08 | 15.50 | 52.23 | 49.30 | 16.55 | 50.47 | 48.42 | 17.75 | 48.72 | 47.40 | 19.12 | 44.17 | 43.82 | 20.66 | 41.53 | 41.53 | 22.73 |
| 6215 | 16°C | 21°C | 45.18 | 34.96 | 14.73 | 43.70 | 34.15 | 15.74 | 42.14 | 33.28 | 16.91 | 40.49 | 32.37 | 18.23 | 36.42 | 29.51 | 19.71 | 33.78 | 27.90 | 21.69 |
| | | 24°C | 45.47 | 41.66 | 14.76 | 43.99 | 40.82 | 15.77 | 42.43 | 39.94 | 16.93 | 40.76 | 39.00 | 18.26 | 36.65 | 35.73 | 19.74 | 34.01 | 34.01 | 21.72 |
| | | 27°C | 46.11 | 46.11 | 14.81 | 44.83 | 44.83 | 15.84 | 43.51 | 43.51 | 17.04 | 42.09 | 42.09 | 18.40 | 38.15 | 38.15 | 19.92 | 35.77 | 35.77 | 21.95 |
| | | 30°C | 48.79 | 48.79 | 15.04 | 47.50 | 47.50 | 16.09 | 46.13 | 46.13 | 17.30 | 44.67 | 44.67 | 18.67 | 40.54 | 40.54 | 20.21 | 38.08 | 38.08 | 22.25 |
| | 19°C | 24°C | 49.56 | 33.62 | 15.11 | 47.96 | 32.93 | 16.13 | 46.26 | 32.20 | 17.31 | 44.46 | 31.41 | 18.65 | 40.03 | 28.70 | 20.14 | 37.19 | 27.20 | 22.13 |
| | | 27°C | 49.81 | 39.35 | 15.13 | 48.22 | 38.57 | 16.16 | 46.51 | 37.74 | 17.34 | 44.72 | 36.88 | 18.68 | 40.26 | 33.81 | 20.17 | 37.41 | 32.22 | 22.16 |
| | | 30°C | 50.07 | 48.49 | 15.16 | 48.44 | 47.64 | 16.19 | 46.77 | 46.75 | 17.37 | 45.02 | 45.02 | 18.71 | 40.68 | 40.68 | 20.23 | 38.09 | 38.09 | 22.26 |
| | | 33°C | 51.54 | 51.54 | 15.29 | 50.21 | 50.21 | 16.35 | 48.80 | 48.80 | 17.58 | 47.30 | 47.30 | 18.96 | 42.97 | 42.97 | 20.51 | 40.43 | 40.43 | 22.57 |
| | 22°C | 27°C | 54.27 | 31.54 | 15.53 | 52.52 | 30.90 | 16.58 | 50.67 | 30.22 | 17.77 | 48.74 | 29.54 | 19.12 | 43.93 | 27.09 | 20.63 | 40.87 | 25.78 | 22.63 |
| | | 30°C | 54.45 | 39.23 | 15.55 | 52.70 | 38.46 | 16.59 | 50.88 | 37.66 | 17.79 | 48.95 | 36.82 | 19.15 | 44.12 | 33.78 | 20.65 | 41.07 | 32.23 | 22.66 |
| | | 33°C | 54.71 | 46.07 | 15.57 | 52.95 | 45.29 | 16.62 | 51.10 | 44.47 | 17.82 | 49.17 | 43.62 | 19.17 | 44.31 | 40.16 | 20.68 | 41.25 | 38.49 | 22.69 |
| | | 36°C | 54.99 | 52.77 | 15.60 | 53.34 | 51.79 | 16.66 | 51.66 | 50.65 | 17.88 | 49.99 | 49.33 | 19.27 | 45.44 | 45.36 | 20.82 | 42.81 | 42.81 | 22.90 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (shaded) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT200AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 6039 | 16°C | 21°C | 57.91 | 38.12 | 18.43 | 56.07 | 37.28 | 19.70 | 54.12 | 36.39 | 21.17 | 52.03 | 35.44 | 22.85 | 46.82 | 32.36 | 24.72 | 43.49 | 30.61 | 27.22 |
| | | 24°C | 58.13 | 45.41 | 18.45 | 56.30 | 44.46 | 19.72 | 54.35 | 43.47 | 21.19 | 52.28 | 42.41 | 22.87 | 47.07 | 38.81 | 24.74 | 43.71 | 36.88 | 27.25 |
| | | 27°C | 58.35 | 52.27 | 18.47 | 56.57 | 51.29 | 19.75 | 54.67 | 50.24 | 21.22 | 52.73 | 48.94 | 22.92 | 47.73 | 44.57 | 24.82 | 44.79 | 41.86 | 27.38 |
| | | 30°C | 60.66 | 60.66 | 18.66 | 59.13 | 59.13 | 19.97 | 57.49 | 57.49 | 21.48 | 55.73 | 55.73 | 23.21 | 50.62 | 50.62 | 25.15 | 47.60 | 47.60 | 27.73 |
| | 19°C | 24°C | 63.62 | 36.01 | 18.90 | 61.65 | 35.23 | 20.19 | 59.53 | 34.40 | 21.68 | 57.28 | 33.52 | 23.36 | 51.60 | 30.64 | 25.25 | 47.98 | 29.08 | 27.77 |
| | | 27°C | 63.79 | 42.07 | 18.91 | 61.80 | 41.21 | 20.20 | 59.69 | 40.30 | 21.69 | 57.46 | 39.34 | 23.38 | 51.79 | 36.03 | 25.27 | 48.18 | 34.27 | 27.79 |
| | | 30°C | 64.03 | 51.34 | 18.93 | 62.01 | 50.41 | 20.22 | 59.88 | 49.43 | 21.72 | 57.63 | 48.40 | 23.41 | 51.96 | 44.50 | 25.30 | 48.37 | 42.55 | 27.82 |
| | | 33°C | 64.40 | 64.40 | 18.96 | 62.57 | 62.57 | 20.27 | 60.74 | 60.74 | 21.80 | 58.92 | 58.92 | 23.54 | 53.58 | 53.58 | 25.49 | 50.46 | 50.46 | 28.09 |
| | 22°C | 27°C | 69.81 | 33.84 | 19.41 | 67.60 | 33.09 | 20.73 | 65.30 | 32.32 | 22.24 | 62.89 | 31.51 | 23.95 | 56.72 | 28.83 | 25.85 | 52.81 | 27.39 | 28.39 |
| | | 30°C | 69.90 | 41.82 | 19.42 | 67.70 | 41.00 | 20.74 | 65.42 | 40.13 | 22.25 | 63.01 | 39.20 | 23.96 | 56.84 | 35.94 | 25.86 | 52.95 | 34.24 | 28.40 |
| | | 33°C | 70.10 | 48.74 | 19.44 | 67.91 | 47.87 | 20.76 | 65.62 | 46.96 | 22.27 | 63.20 | 46.01 | 23.98 | 57.02 | 42.32 | 25.89 | 53.13 | 40.49 | 28.43 |
| | | 36°C | 70.30 | 55.50 | 19.46 | 68.11 | 54.62 | 20.78 | 65.79 | 53.70 | 22.29 | 63.38 | 52.75 | 24.00 | 57.24 | 48.59 | 25.91 | 53.59 | 46.31 | 28.49 |
| 6710 | 16°C | 21°C | 59.13 | 39.66 | 18.53 | 57.23 | 38.81 | 19.80 | 55.19 | 37.88 | 21.27 | 53.04 | 36.85 | 22.95 | 47.73 | 33.61 | 24.82 | 44.30 | 31.77 | 27.31 |
| | | 24°C | 59.44 | 47.27 | 18.56 | 57.54 | 46.31 | 19.83 | 55.52 | 45.29 | 21.30 | 53.36 | 44.21 | 22.98 | 48.02 | 40.48 | 24.85 | 44.56 | 38.49 | 27.35 |
| | | 27°C | 59.85 | 54.80 | 18.59 | 58.07 | 53.63 | 19.87 | 56.26 | 52.24 | 21.37 | 54.44 | 50.61 | 23.08 | 49.37 | 46.12 | 25.00 | 46.31 | 43.40 | 27.56 |
| | | 30°C | 62.95 | 62.95 | 18.84 | 61.33 | 61.33 | 20.16 | 59.59 | 59.59 | 21.68 | 57.74 | 57.74 | 23.41 | 52.42 | 52.42 | 25.35 | 49.26 | 49.26 | 27.93 |
| | 19°C | 24°C | 64.92 | 37.43 | 19.00 | 62.87 | 36.65 | 20.29 | 60.66 | 35.80 | 21.79 | 58.33 | 34.92 | 23.47 | 52.52 | 31.95 | 25.36 | 48.84 | 30.35 | 27.87 |
| | | 27°C | 65.17 | 43.82 | 19.02 | 63.11 | 42.94 | 20.32 | 60.92 | 42.00 | 21.81 | 58.60 | 41.02 | 23.50 | 52.79 | 37.59 | 25.39 | 49.09 | 35.79 | 27.90 |
| | | 30°C | 65.46 | 53.74 | 19.05 | 63.37 | 52.80 | 20.35 | 61.16 | 51.80 | 21.84 | 58.86 | 50.76 | 23.53 | 53.06 | 46.66 | 25.42 | 49.48 | 44.38 | 27.96 |
| | | 33°C | 66.49 | 66.49 | 19.13 | 64.79 | 64.79 | 20.47 | 62.99 | 62.99 | 22.01 | 61.09 | 61.09 | 23.76 | 55.52 | 55.52 | 25.71 | 52.26 | 52.26 | 28.32 |
| | 22°C | 27°C | 71.15 | 35.14 | 19.53 | 68.87 | 34.40 | 20.84 | 66.50 | 33.62 | 22.36 | 63.98 | 32.81 | 24.06 | 57.68 | 30.05 | 25.96 | 53.69 | 28.60 | 28.49 |
| | | 30°C | 71.32 | 43.65 | 19.54 | 69.05 | 42.77 | 20.86 | 66.68 | 41.87 | 22.37 | 64.18 | 40.92 | 24.08 | 57.87 | 37.53 | 25.98 | 53.90 | 35.78 | 28.52 |
| | | 33°C | 71.60 | 51.04 | 19.57 | 69.33 | 50.15 | 20.89 | 66.94 | 49.23 | 22.40 | 64.43 | 48.25 | 24.11 | 58.10 | 44.41 | 26.02 | 54.12 | 42.53 | 28.55 |
| | | 36°C | 71.85 | 58.36 | 19.59 | 69.57 | 57.46 | 20.91 | 67.22 | 56.43 | 22.43 | 64.89 | 55.24 | 24.16 | 58.82 | 51.06 | 26.10 | 55.31 | 48.69 | 28.71 |
| 7381 | 16°C | 21°C | 60.17 | 40.74 | 18.62 | 58.20 | 39.79 | 19.89 | 56.12 | 38.79 | 21.36 | 53.92 | 37.72 | 23.03 | 48.50 | 34.39 | 24.90 | 44.99 | 32.51 | 27.40 |
| | | 24°C | 60.56 | 48.55 | 18.65 | 58.59 | 47.57 | 19.92 | 56.51 | 46.54 | 21.39 | 54.29 | 45.45 | 23.07 | 48.82 | 41.63 | 24.94 | 45.30 | 39.63 | 27.44 |
| | | 27°C | 61.41 | 56.58 | 18.71 | 59.70 | 55.65 | 20.02 | 57.94 | 54.56 | 21.53 | 56.06 | 53.32 | 23.25 | 50.82 | 48.48 | 25.17 | 47.64 | 45.68 | 27.73 |
| | | 30°C | 64.97 | 64.97 | 19.01 | 63.26 | 63.26 | 20.33 | 61.44 | 61.44 | 21.86 | 59.50 | 59.50 | 23.59 | 53.99 | 53.99 | 25.53 | 50.71 | 50.71 | 28.12 |
| | 19°C | 24°C | 66.00 | 39.18 | 19.09 | 63.88 | 38.37 | 20.39 | 61.61 | 37.52 | 21.88 | 59.22 | 36.61 | 23.57 | 53.31 | 33.45 | 25.45 | 49.53 | 31.69 | 27.96 |
| | | 27°C | 66.34 | 45.86 | 19.12 | 64.21 | 44.95 | 20.42 | 61.94 | 43.98 | 21.91 | 59.56 | 42.98 | 23.60 | 53.62 | 39.40 | 25.49 | 49.83 | 37.54 | 28.00 |
| | | 30°C | 66.69 | 56.51 | 19.15 | 64.51 | 55.52 | 20.45 | 62.29 | 54.48 | 21.95 | 59.96 | 53.31 | 23.64 | 54.18 | 48.74 | 25.55 | 50.72 | 46.02 | 28.12 |
| | | 33°C | 68.64 | 68.64 | 19.32 | 66.86 | 66.86 | 20.66 | 64.99 | 64.99 | 22.21 | 63.00 | 63.00 | 23.96 | 57.23 | 57.23 | 25.91 | 53.84 | 53.84 | 28.52 |
| | 22°C | 27°C | 72.28 | 36.76 | 19.62 | 69.94 | 36.01 | 20.94 | 67.48 | 35.22 | 22.45 | 64.92 | 34.42 | 24.16 | 58.50 | 31.57 | 26.06 | 54.43 | 30.04 | 28.59 |
| | | 30°C | 72.52 | 45.72 | 19.65 | 70.19 | 44.82 | 20.97 | 67.76 | 43.88 | 22.48 | 65.20 | 42.90 | 24.19 | 58.77 | 39.37 | 26.09 | 54.70 | 37.56 | 28.62 |
| | | 33°C | 72.87 | 53.69 | 19.68 | 70.52 | 52.78 | 21.00 | 68.06 | 51.82 | 22.51 | 65.48 | 50.83 | 24.23 | 59.02 | 46.80 | 26.13 | 54.94 | 44.86 | 28.66 |
| | | 36°C | 73.23 | 61.49 | 19.71 | 71.04 | 60.35 | 21.04 | 68.80 | 59.02 | 22.59 | 66.58 | 57.49 | 24.34 | 60.52 | 52.86 | 26.31 | 57.02 | 50.19 | 28.94 |

## Model: MRT250AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 7200 | 16°C | 21°C | 68.06 | 49.93 | 21.70 | 65.91 | 48.83 | 23.19 | 63.61 | 47.66 | 24.92 | 61.15 | 46.42 | 26.89 | 55.03 | 42.38 | 29.09 | 51.12 | 40.09 | 32.03 |
| | | 24°C | 68.33 | 59.47 | 21.72 | 66.17 | 58.23 | 23.21 | 63.88 | 56.93 | 24.95 | 61.44 | 55.54 | 26.92 | 55.32 | 50.83 | 29.12 | 51.38 | 48.30 | 32.07 |
| | | 27°C | 68.58 | 68.45 | 21.74 | 66.49 | 66.49 | 23.24 | 64.25 | 64.25 | 24.98 | 61.97 | 61.97 | 26.97 | 56.10 | 56.10 | 29.21 | 52.65 | 52.65 | 32.22 |
| | | 30°C | 71.30 | 71.30 | 21.96 | 69.50 | 69.50 | 23.50 | 67.57 | 67.57 | 25.29 | 65.50 | 65.50 | 27.32 | 59.50 | 59.50 | 29.60 | 55.95 | 55.95 | 32.63 |
| | 19°C | 24°C | 74.78 | 47.17 | 22.24 | 72.46 | 46.14 | 23.76 | 69.96 | 45.05 | 25.51 | 67.32 | 43.90 | 27.50 | 60.65 | 40.13 | 29.72 | 56.39 | 38.08 | 32.69 |
| | | 27°C | 74.97 | 55.10 | 22.26 | 72.64 | 53.97 | 23.78 | 70.16 | 52.78 | 25.53 | 67.53 | 51.52 | 27.52 | 60.87 | 47.18 | 29.75 | 56.63 | 44.89 | 32.71 |
| | | 30°C | 75.26 | 67.24 | 22.28 | 72.89 | 66.02 | 23.80 | 70.38 | 64.74 | 25.56 | 67.73 | 63.39 | 27.55 | 61.07 | 58.28 | 29.78 | 56.86 | 55.72 | 32.75 |
| | | 33°C | 75.70 | 75.70 | 22.32 | 73.54 | 73.54 | 23.86 | 71.39 | 71.39 | 25.65 | 69.25 | 69.25 | 27.70 | 62.97 | 62.97 | 30.00 | 59.31 | 59.31 | 33.06 |
| | 22°C | 27°C | 82.05 | 44.31 | 22.85 | 79.45 | 43.34 | 24.40 | 76.75 | 42.33 | 26.18 | 73.91 | 41.27 | 28.18 | 66.66 | 37.76 | 30.43 | 62.06 | 35.87 | 33.41 |
| | | 30°C | 82.16 | 54.78 | 22.86 | 79.58 | 53.69 | 24.41 | 76.89 | 52.56 | 26.19 | 74.05 | 51.34 | 28.20 | 66.80 | 47.07 | 30.44 | 62.23 | 44.84 | 33.43 |
| | | 33°C | 82.39 | 63.83 | 22.88 | 79.82 | 62.69 | 24.43 | 77.12 | 61.50 | 26.21 | 74.28 | 60.26 | 28.23 | 67.02 | 55.42 | 30.47 | 62.45 | 53.03 | 33.46 |
| | | 36°C | 82.62 | 72.68 | 22.90 | 80.05 | 71.53 | 24.45 | 77.32 | 70.32 | 26.24 | 74.50 | 69.08 | 28.25 | 67.28 | 63.63 | 30.50 | 62.99 | 60.65 | 33.53 |
| 8000 | 16°C | 21°C | 69.50 | 51.94 | 21.81 | 67.27 | 50.83 | 23.31 | 64.87 | 49.62 | 25.04 | 62.34 | 48.27 | 27.01 | 56.10 | 44.02 | 29.21 | 52.07 | 41.61 | 32.15 |
| | | 24°C | 69.86 | 61.91 | 21.85 | 67.63 | 60.65 | 23.34 | 65.25 | 59.32 | 25.07 | 62.72 | 57.90 | 27.05 | 56.44 | 53.02 | 29.25 | 52.37 | 50.41 | 32.19 |
| | | 27°C | 70.34 | 70.34 | 21.88 | 68.26 | 68.26 | 23.39 | 66.12 | 66.12 | 25.15 | 63.99 | 63.99 | 27.17 | 58.03 | 58.03 | 29.43 | 54.44 | 54.44 | 32.44 |
| | | 30°C | 73.99 | 73.99 | 22.18 | 72.08 | 72.08 | 23.73 | 70.04 | 70.04 | 25.52 | 67.86 | 67.86 | 27.56 | 61.61 | 61.61 | 29.84 | 57.90 | 57.90 | 32.88 |
| | 19°C | 24°C | 76.30 | 49.03 | 22.37 | 73.89 | 47.99 | 23.89 | 71.29 | 46.89 | 25.64 | 68.55 | 45.74 | 27.63 | 61.73 | 41.85 | 29.85 | 57.40 | 39.74 | 32.81 |
| | | 27°C | 76.59 | 57.39 | 22.39 | 74.17 | 56.23 | 23.91 | 71.60 | 55.01 | 25.67 | 68.88 | 53.72 | 27.66 | 62.04 | 49.23 | 29.88 | 57.70 | 46.88 | 32.84 |
| | | 30°C | 76.94 | 70.39 | 22.42 | 74.48 | 69.15 | 23.95 | 71.88 | 67.84 | 25.71 | 69.18 | 66.48 | 27.70 | 62.36 | 61.11 | 29.92 | 58.16 | 58.12 | 32.91 |
| | | 33°C | 78.14 | 78.14 | 22.52 | 76.15 | 76.15 | 24.09 | 74.04 | 74.04 | 25.91 | 71.80 | 71.80 | 27.96 | 65.26 | 65.26 | 30.26 | 61.42 | 61.42 | 33.33 |
| | 22°C | 27°C | 83.63 | 46.03 | 22.98 | 80.95 | 45.05 | 24.53 | 78.16 | 44.04 | 26.31 | 75.20 | 42.97 | 28.32 | 67.80 | 39.36 | 30.56 | 63.11 | 37.45 | 33.54 |
| | | 30°C | 83.83 | 57.16 | 23.00 | 81.16 | 56.02 | 24.55 | 78.37 | 54.84 | 26.33 | 75.43 | 53.59 | 28.34 | 68.02 | 49.15 | 30.58 | 63.35 | 46.86 | 33.57 |
| | | 33°C | 84.15 | 66.85 | 23.03 | 81.48 | 65.69 | 24.58 | 78.68 | 64.47 | 26.37 | 75.72 | 63.20 | 28.38 | 68.29 | 58.17 | 30.62 | 63.60 | 55.71 | 33.61 |
| | | 36°C | 84.44 | 76.43 | 23.06 | 81.76 | 75.25 | 24.61 | 79.00 | 73.91 | 26.40 | 76.27 | 72.34 | 28.44 | 69.13 | 66.87 | 30.72 | 65.00 | 63.76 | 33.79 |
| 8800 | 16°C | 21°C | 70.73 | 53.35 | 21.91 | 68.41 | 52.11 | 23.41 | 65.96 | 50.80 | 25.14 | 63.38 | 49.40 | 27.11 | 57.00 | 45.04 | 29.31 | 52.88 | 42.58 | 32.26 |
| | | 24°C | 71.18 | 63.58 | 21.95 | 68.87 | 62.30 | 23.45 | 66.42 | 60.95 | 25.18 | 63.81 | 59.52 | 27.15 | 57.38 | 54.52 | 29.36 | 53.24 | 51.90 | 32.30 |
| | | 27°C | 72.18 | 72.18 | 22.03 | 70.17 | 70.17 | 23.56 | 68.10 | 68.10 | 25.34 | 65.89 | 65.89 | 27.36 | 59.73 | 59.73 | 29.62 | 56.00 | 56.00 | 32.64 |
| | | 30°C | 76.37 | 76.37 | 22.37 | 74.35 | 74.35 | 23.93 | 72.21 | 72.21 | 25.73 | 69.93 | 69.93 | 27.77 | 63.46 | 63.46 | 30.05 | 59.60 | 59.60 | 33.09 |
| | 19°C | 24°C | 77.58 | 51.31 | 22.48 | 75.08 | 50.26 | 23.99 | 72.41 | 49.14 | 25.75 | 69.60 | 47.94 | 27.74 | 62.66 | 43.81 | 29.95 | 58.22 | 41.51 | 32.91 |
| | | 27°C | 77.97 | 60.06 | 22.51 | 75.47 | 58.87 | 24.03 | 72.80 | 57.60 | 25.79 | 70.00 | 56.28 | 27.78 | 63.02 | 51.60 | 30.00 | 58.57 | 49.17 | 32.96 |
| | | 30°C | 78.38 | 74.00 | 22.54 | 75.82 | 72.72 | 24.07 | 73.21 | 71.35 | 25.83 | 70.48 | 69.81 | 27.83 | 63.68 | 63.68 | 30.08 | 59.62 | 59.62 | 33.10 |
| | | 33°C | 80.68 | 80.68 | 22.73 | 78.59 | 78.59 | 24.32 | 76.39 | 76.39 | 26.14 | 74.04 | 74.04 | 28.20 | 67.27 | 67.27 | 30.50 | 63.28 | 63.28 | 33.57 |
| | 22°C | 27°C | 84.96 | 48.14 | 23.10 | 82.21 | 47.16 | 24.65 | 79.32 | 46.13 | 26.43 | 76.30 | 45.08 | 28.44 | 68.76 | 41.34 | 30.67 | 63.97 | 39.34 | 33.65 |
| | | 30°C | 85.24 | 59.88 | 23.12 | 82.50 | 58.70 | 24.68 | 79.64 | 57.47 | 26.46 | 76.63 | 56.19 | 28.47 | 69.07 | 51.56 | 30.71 | 64.29 | 49.19 | 33.69 |
| | | 33°C | 85.65 | 70.32 | 23.16 | 82.88 | 69.12 | 24.71 | 80.00 | 67.87 | 26.50 | 76.96 | 66.57 | 28.51 | 69.36 | 61.30 | 30.75 | 64.57 | 58.75 | 33.74 |
| | | 36°C | 86.07 | 80.53 | 23.20 | 83.49 | 79.04 | 24.77 | 80.87 | 77.30 | 26.59 | 78.25 | 75.29 | 28.65 | 71.13 | 69.23 | 30.97 | 67.02 | 65.74 | 34.06 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT300AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 8640 | 16°C | 21°C | 83.90 | 61.54 | 29.15 | 81.24 | 60.19 | 31.15 | 78.41 | 58.75 | 33.48 | 75.38 | 57.22 | 36.12 | 67.84 | 52.24 | 39.09 | 63.01 | 49.42 | 43.04 |
| | | 24°C | 84.22 | 73.31 | 29.18 | 81.57 | 71.78 | 31.19 | 78.75 | 70.17 | 33.51 | 75.74 | 68.46 | 36.16 | 68.20 | 62.66 | 39.13 | 63.33 | 59.54 | 43.08 |
| | | 27°C | 84.53 | 84.38 | 29.21 | 81.96 | 81.96 | 31.22 | 79.20 | 79.20 | 33.56 | 76.39 | 76.39 | 36.24 | 69.15 | 69.15 | 39.25 | 64.90 | 64.90 | 43.29 |
| | | 30°C | 87.89 | 87.89 | 29.50 | 85.67 | 85.67 | 31.57 | 83.29 | 83.29 | 33.97 | 80.74 | 80.74 | 36.71 | 73.34 | 73.34 | 39.76 | 68.96 | 68.96 | 43.84 |
| | 19°C | 24°C | 92.18 | 58.14 | 29.88 | 89.31 | 56.88 | 31.92 | 86.24 | 55.53 | 34.27 | 82.99 | 54.12 | 36.95 | 74.76 | 49.47 | 39.93 | 69.51 | 46.95 | 43.91 |
| | | 27°C | 92.41 | 67.92 | 29.90 | 89.54 | 66.53 | 31.94 | 86.48 | 65.06 | 34.30 | 83.24 | 63.51 | 36.98 | 75.03 | 58.16 | 39.96 | 69.80 | 55.33 | 43.95 |
| | | 30°C | 92.77 | 82.89 | 29.94 | 89.85 | 81.38 | 31.98 | 86.76 | 79.80 | 34.34 | 83.49 | 78.14 | 37.02 | 75.28 | 71.84 | 40.01 | 70.08 | 68.69 | 43.99 |
| | | 33°C | 93.31 | 93.31 | 29.98 | 90.65 | 90.65 | 32.05 | 88.00 | 88.00 | 34.46 | 85.36 | 85.36 | 37.22 | 77.63 | 77.63 | 40.30 | 73.11 | 73.11 | 44.41 |
| | 22°C | 27°C | 101.14 | 54.62 | 30.70 | 97.94 | 53.42 | 32.77 | 94.61 | 52.18 | 35.17 | 91.11 | 50.88 | 37.86 | 82.17 | 46.55 | 40.87 | 76.51 | 44.21 | 44.88 |
| | | 30°C | 101.28 | 67.52 | 30.71 | 98.09 | 66.18 | 32.79 | 94.79 | 64.79 | 35.18 | 91.28 | 63.29 | 37.88 | 82.34 | 58.02 | 40.89 | 76.71 | 55.27 | 44.91 |
| | | 33°C | 101.56 | 78.68 | 30.74 | 98.39 | 77.28 | 32.82 | 95.07 | 75.81 | 35.22 | 91.56 | 74.28 | 37.92 | 82.61 | 68.32 | 40.93 | 76.97 | 65.37 | 44.95 |
| | | 36°C | 101.85 | 89.59 | 30.77 | 98.68 | 88.18 | 32.85 | 95.31 | 86.69 | 35.25 | 91.83 | 85.15 | 37.95 | 82.93 | 78.44 | 40.97 | 77.65 | 74.76 | 45.05 |
| 9600 | 16°C | 21°C | 85.67 | 64.02 | 29.31 | 82.92 | 62.66 | 31.31 | 79.96 | 61.16 | 33.64 | 76.84 | 59.50 | 36.29 | 69.15 | 54.26 | 39.24 | 64.18 | 51.29 | 43.19 |
| | | 24°C | 86.11 | 76.32 | 29.35 | 83.36 | 74.77 | 31.36 | 80.44 | 73.12 | 33.68 | 77.31 | 71.37 | 36.33 | 69.58 | 65.36 | 39.30 | 64.55 | 62.14 | 43.25 |
| | | 27°C | 86.71 | 86.71 | 29.40 | 84.14 | 84.14 | 31.43 | 81.50 | 81.50 | 33.79 | 78.87 | 78.87 | 36.50 | 71.53 | 71.53 | 39.54 | 67.10 | 67.10 | 43.59 |
| | | 30°C | 91.20 | 91.20 | 29.80 | 88.86 | 88.86 | 31.88 | 86.33 | 86.33 | 34.29 | 83.65 | 83.65 | 37.03 | 75.94 | 75.94 | 40.09 | 71.37 | 71.37 | 44.17 |
| | 19°C | 24°C | 94.06 | 60.43 | 30.05 | 91.08 | 59.16 | 32.09 | 87.88 | 57.80 | 34.45 | 84.51 | 56.38 | 37.12 | 76.10 | 51.58 | 40.10 | 70.76 | 48.99 | 44.08 |
| | | 27°C | 94.41 | 70.74 | 30.08 | 91.43 | 69.31 | 32.13 | 88.25 | 67.81 | 34.49 | 84.90 | 66.22 | 37.16 | 76.48 | 60.68 | 40.15 | 71.12 | 57.78 | 44.12 |
| | | 30°C | 94.84 | 86.76 | 30.12 | 91.81 | 85.23 | 32.17 | 88.61 | 83.62 | 34.53 | 85.27 | 81.95 | 37.21 | 76.87 | 75.32 | 40.20 | 71.69 | 71.64 | 44.22 |
| | | 33°C | 96.33 | 96.33 | 30.25 | 93.86 | 93.86 | 32.37 | 91.27 | 91.27 | 34.81 | 88.51 | 88.51 | 37.57 | 80.44 | 80.44 | 40.66 | 75.72 | 75.72 | 44.77 |
| | 22°C | 27°C | 103.08 | 56.73 | 30.88 | 99.78 | 55.53 | 32.96 | 96.34 | 54.28 | 35.35 | 92.70 | 52.97 | 38.05 | 83.57 | 48.52 | 41.05 | 77.79 | 46.17 | 45.06 |
| | | 30°C | 103.33 | 70.46 | 30.90 | 100.04 | 69.05 | 32.99 | 96.61 | 67.60 | 35.38 | 92.98 | 66.06 | 38.08 | 83.85 | 60.59 | 41.09 | 78.09 | 57.76 | 45.10 |
| | | 33°C | 103.73 | 82.40 | 30.94 | 100.44 | 80.97 | 33.03 | 96.98 | 79.47 | 35.42 | 93.34 | 77.90 | 38.13 | 84.18 | 71.70 | 41.14 | 78.40 | 68.67 | 45.15 |
| | | 36°C | 104.09 | 94.21 | 30.97 | 100.79 | 92.76 | 33.07 | 97.39 | 91.10 | 35.47 | 94.01 | 89.17 | 38.20 | 85.22 | 82.43 | 41.27 | 80.13 | 78.60 | 45.40 |
| 10560 | 16°C | 21°C | 87.18 | 65.76 | 29.44 | 84.33 | 64.24 | 31.45 | 81.31 | 62.62 | 33.78 | 78.13 | 60.90 | 36.42 | 70.27 | 55.52 | 39.38 | 65.18 | 52.48 | 43.33 |
| | | 24°C | 87.74 | 78.37 | 29.49 | 84.89 | 76.79 | 31.50 | 81.87 | 75.13 | 33.83 | 78.65 | 73.37 | 36.48 | 70.73 | 67.21 | 39.44 | 65.63 | 63.98 | 43.39 |
| | | 27°C | 88.97 | 88.97 | 29.59 | 86.50 | 86.50 | 31.65 | 83.95 | 83.95 | 34.04 | 81.22 | 81.22 | 36.76 | 73.62 | 73.62 | 39.80 | 69.03 | 69.03 | 43.85 |
| | | 30°C | 94.14 | 94.14 | 30.06 | 91.65 | 91.65 | 32.15 | 89.01 | 89.01 | 34.57 | 86.20 | 86.20 | 37.31 | 78.23 | 78.23 | 40.37 | 73.47 | 73.47 | 44.46 |
| | 19°C | 24°C | 95.63 | 63.24 | 30.19 | 92.54 | 61.95 | 32.24 | 89.26 | 60.57 | 34.59 | 85.79 | 59.09 | 37.26 | 77.24 | 54.00 | 40.24 | 71.76 | 51.17 | 44.22 |
| | | 27°C | 96.11 | 74.03 | 30.24 | 93.03 | 72.57 | 32.28 | 89.74 | 71.00 | 34.65 | 86.29 | 69.38 | 37.32 | 77.69 | 63.61 | 40.31 | 72.19 | 60.61 | 44.28 |
| | | 30°C | 96.61 | 91.22 | 30.29 | 93.46 | 89.63 | 32.34 | 90.25 | 87.95 | 34.70 | 86.88 | 86.06 | 37.38 | 78.50 | 78.50 | 40.41 | 73.49 | 73.49 | 44.47 |
| | | 33°C | 99.45 | 99.45 | 30.54 | 96.87 | 96.87 | 32.67 | 94.16 | 94.16 | 35.12 | 91.27 | 91.27 | 37.89 | 82.92 | 82.92 | 40.98 | 78.01 | 78.01 | 45.10 |
| | 22°C | 27°C | 104.72 | 59.35 | 31.03 | 101.33 | 58.13 | 33.12 | 97.77 | 56.86 | 35.50 | 94.05 | 55.57 | 38.20 | 84.76 | 50.96 | 41.21 | 78.86 | 48.49 | 45.21 |
| | | 30°C | 105.07 | 73.81 | 31.06 | 101.70 | 72.36 | 33.15 | 98.17 | 70.84 | 35.55 | 94.46 | 69.26 | 38.25 | 85.14 | 63.56 | 41.26 | 79.25 | 60.63 | 45.26 |
| | | 33°C | 105.57 | 86.68 | 31.11 | 102.17 | 85.20 | 33.20 | 98.61 | 83.66 | 35.60 | 94.87 | 82.06 | 38.31 | 85.50 | 75.56 | 41.32 | 79.60 | 72.42 | 45.32 |
| | | 36°C | 106.10 | 99.27 | 31.16 | 102.92 | 97.43 | 33.27 | 99.68 | 95.29 | 35.72 | 96.46 | 92.80 | 38.49 | 87.69 | 85.33 | 41.60 | 82.61 | 81.03 | 45.76 |

## Model: MRT360AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 9900 | 16°C | 21°C | 97.02 | 74.82 | 30.76 | 93.95 | 73.17 | 32.87 | 90.68 | 71.42 | 35.32 | 87.17 | 69.56 | 38.12 | 78.45 | 63.51 | 41.24 | 72.87 | 60.08 | 45.41 |
| | | 24°C | 97.40 | 89.12 | 30.79 | 94.33 | 87.27 | 32.91 | 91.06 | 85.31 | 35.36 | 87.58 | 83.23 | 38.16 | 78.86 | 76.18 | 41.29 | 73.24 | 72.39 | 45.46 |
| | | 27°C | 97.76 | 97.76 | 30.82 | 94.77 | 94.77 | 32.95 | 91.59 | 91.59 | 35.41 | 88.34 | 88.34 | 38.23 | 79.97 | 79.97 | 41.41 | 75.05 | 75.05 | 45.68 |
| | | 30°C | 101.64 | 101.64 | 31.13 | 99.07 | 99.07 | 33.31 | 96.32 | 96.32 | 35.85 | 93.37 | 93.37 | 38.73 | 84.81 | 84.81 | 41.96 | 79.75 | 79.75 | 46.26 |
| | 19°C | 24°C | 106.60 | 70.68 | 31.53 | 103.28 | 69.15 | 33.68 | 99.73 | 67.51 | 36.17 | 95.97 | 65.79 | 38.98 | 86.45 | 60.14 | 42.13 | 80.38 | 57.07 | 46.33 |
| | | 27°C | 106.87 | 82.57 | 31.55 | 103.54 | 80.88 | 33.71 | 100.01 | 79.10 | 36.19 | 96.26 | 77.21 | 39.02 | 86.76 | 70.71 | 42.17 | 80.72 | 67.27 | 46.37 |
| | | 30°C | 107.28 | 100.77 | 31.59 | 103.90 | 98.94 | 33.74 | 100.33 | 97.02 | 36.24 | 96.55 | 95.00 | 39.06 | 87.06 | 87.06 | 42.22 | 81.05 | 81.05 | 46.42 |
| | | 33°C | 107.90 | 107.90 | 31.63 | 104.83 | 104.83 | 33.82 | 101.77 | 101.77 | 36.37 | 98.71 | 98.71 | 39.27 | 89.77 | 89.77 | 42.52 | 84.54 | 84.54 | 46.86 |
| | 22°C | 27°C | 116.96 | 66.41 | 32.39 | 113.26 | 64.94 | 34.58 | 109.41 | 63.43 | 37.11 | 105.36 | 61.85 | 39.95 | 95.03 | 56.59 | 43.13 | 88.47 | 53.75 | 47.36 |
| | | 30°C | 117.12 | 82.09 | 32.40 | 113.43 | 80.46 | 34.60 | 109.61 | 78.76 | 37.12 | 105.56 | 76.94 | 39.97 | 95.22 | 70.54 | 43.15 | 88.71 | 67.20 | 47.38 |
| | | 33°C | 117.45 | 95.66 | 32.43 | 113.78 | 93.95 | 34.63 | 109.94 | 92.17 | 37.16 | 105.88 | 90.30 | 40.01 | 95.53 | 83.06 | 43.19 | 89.01 | 79.47 | 47.43 |
| | | 36°C | 117.78 | 108.92 | 32.46 | 114.11 | 107.20 | 34.66 | 110.22 | 105.39 | 37.19 | 106.20 | 103.52 | 40.05 | 95.91 | 95.36 | 43.24 | 89.79 | 89.79 | 47.53 |
| 11000 | 16°C | 21°C | 99.06 | 77.83 | 30.92 | 95.89 | 76.17 | 33.04 | 92.47 | 74.35 | 35.49 | 88.86 | 72.33 | 38.29 | 79.97 | 65.97 | 41.41 | 74.22 | 62.35 | 45.57 |
| | | 24°C | 99.58 | 92.78 | 30.97 | 96.40 | 90.89 | 33.09 | 93.02 | 88.89 | 35.54 | 89.40 | 86.76 | 38.34 | 80.46 | 79.46 | 41.46 | 74.65 | 74.65 | 45.63 |
| | | 27°C | 100.27 | 100.27 | 31.02 | 97.30 | 97.30 | 33.16 | 94.25 | 94.25 | 35.66 | 91.21 | 91.21 | 38.52 | 82.72 | 82.72 | 41.72 | 77.60 | 77.60 | 45.99 |
| | | 30°C | 105.47 | 105.47 | 31.44 | 102.75 | 102.75 | 33.64 | 99.84 | 99.84 | 36.18 | 96.73 | 96.73 | 39.07 | 87.82 | 87.82 | 42.30 | 82.53 | 82.53 | 46.61 |
| | 19°C | 24°C | 108.77 | 73.47 | 31.71 | 105.33 | 71.92 | 33.86 | 101.63 | 70.27 | 36.35 | 97.72 | 68.54 | 39.16 | 88.00 | 62.71 | 42.32 | 81.82 | 59.56 | 46.51 |
| | | 27°C | 109.18 | 86.00 | 31.74 | 105.73 | 84.27 | 33.90 | 102.06 | 82.43 | 36.39 | 98.18 | 80.51 | 39.21 | 88.44 | 73.78 | 42.36 | 82.24 | 70.25 | 46.56 |
| | | 30°C | 109.68 | 105.48 | 31.79 | 106.17 | 103.62 | 33.95 | 102.47 | 101.66 | 36.44 | 98.61 | 98.61 | 39.26 | 88.90 | 88.90 | 42.42 | 82.91 | 82.91 | 46.66 |
| | | 33°C | 111.39 | 111.39 | 31.92 | 108.55 | 108.55 | 34.15 | 105.54 | 105.54 | 36.73 | 102.35 | 102.35 | 39.64 | 93.03 | 93.03 | 42.90 | 87.56 | 87.56 | 47.24 |
| | 22°C | 27°C | 119.21 | 68.97 | 32.58 | 115.39 | 67.51 | 34.78 | 111.41 | 65.99 | 37.30 | 107.20 | 64.40 | 40.15 | 96.64 | 58.98 | 43.32 | 89.96 | 56.13 | 47.54 |
| | | 30°C | 119.49 | 85.66 | 32.60 | 115.69 | 83.95 | 34.81 | 111.72 | 82.18 | 37.33 | 107.52 | 80.31 | 40.18 | 96.96 | 73.66 | 43.36 | 90.30 | 70.22 | 47.59 |
| | | 33°C | 119.95 | 100.18 | 32.65 | 116.15 | 98.44 | 34.85 | 112.15 | 96.61 | 37.38 | 107.94 | 94.71 | 40.23 | 97.35 | 87.17 | 43.41 | 90.67 | 83.48 | 47.64 |
| | | 36°C | 120.37 | 114.53 | 32.68 | 116.55 | 112.77 | 34.89 | 112.62 | 110.75 | 37.43 | 108.72 | 108.41 | 40.31 | 98.55 | 98.55 | 43.55 | 92.66 | 92.66 | 47.91 |
| 12100 | 16°C | 21°C | 100.82 | 79.95 | 31.06 | 97.52 | 78.10 | 33.18 | 94.03 | 76.13 | 35.64 | 90.35 | 74.04 | 38.43 | 81.26 | 67.50 | 41.55 | 75.37 | 63.80 | 45.73 |
| | | 24°C | 101.47 | 95.28 | 31.12 | 98.17 | 93.36 | 33.24 | 94.68 | 91.34 | 35.70 | 90.96 | 89.19 | 38.49 | 81.79 | 81.71 | 41.62 | 75.89 | 75.89 | 45.78 |
| | | 27°C | 102.89 | 102.89 | 31.22 | 100.02 | 100.02 | 33.40 | 97.08 | 97.08 | 35.92 | 93.92 | 93.92 | 38.79 | 85.14 | 85.14 | 41.99 | 79.82 | 79.82 | 46.27 |
| | | 30°C | 108.86 | 108.86 | 31.72 | 105.98 | 105.98 | 33.93 | 102.93 | 102.93 | 36.48 | 99.68 | 99.68 | 39.37 | 90.46 | 90.46 | 42.60 | 84.96 | 84.96 | 46.91 |
| | 19°C | 24°C | 110.58 | 76.89 | 31.86 | 107.02 | 75.31 | 34.01 | 103.22 | 73.64 | 36.50 | 99.21 | 71.84 | 39.32 | 89.32 | 65.65 | 42.46 | 82.99 | 62.20 | 46.66 |
| | | 27°C | 111.14 | 90.00 | 31.91 | 107.59 | 88.22 | 34.07 | 103.77 | 86.32 | 36.56 | 99.78 | 84.35 | 39.38 | 89.84 | 77.33 | 42.53 | 83.49 | 73.69 | 46.72 |
| | | 30°C | 111.73 | 110.90 | 31.96 | 108.08 | 108.08 | 34.12 | 104.36 | 104.36 | 36.62 | 100.47 | 100.47 | 39.45 | 90.78 | 90.78 | 42.64 | 84.99 | 84.99 | 46.92 |
| | | 33°C | 115.00 | 115.00 | 32.23 | 112.03 | 112.03 | 34.47 | 108.89 | 108.89 | 37.05 | 105.55 | 105.55 | 39.98 | 95.89 | 95.89 | 43.24 | 90.21 | 90.21 | 47.58 |
| | 22°C | 27°C | 121.10 | 72.15 | 32.74 | 117.18 | 70.67 | 34.94 | 113.07 | 69.13 | 37.46 | 108.77 | 67.56 | 40.31 | 98.02 | 61.95 | 43.48 | 91.19 | 58.95 | 47.70 |
| | | 30°C | 121.51 | 89.73 | 32.78 | 117.60 | 87.96 | 34.98 | 113.52 | 86.13 | 37.51 | 109.23 | 84.20 | 40.36 | 98.46 | 77.27 | 43.53 | 91.65 | 73.71 | 47.76 |
| | | 33°C | 122.09 | 105.38 | 32.83 | 118.15 | 103.58 | 35.03 | 114.03 | 101.71 | 37.56 | 109.71 | 99.76 | 40.42 | 98.88 | 91.86 | 43.60 | 92.05 | 88.04 | 47.83 |
| | | 36°C | 122.70 | 120.68 | 32.88 | 119.02 | 118.45 | 35.11 | 115.27 | 115.27 | 37.69 | 111.54 | 111.54 | 40.61 | 101.40 | 101.40 | 43.90 | 95.53 | 95.53 | 48.28 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. [grey box] shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: MRT420AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 11250 | 16°C | 21°C | 111.21 | 86.81 | 36.40 | 107.69 | 84.90 | 38.90 | 103.94 | 82.87 | 41.80 | 99.92 | 80.71 | 45.11 | 89.92 | 73.68 | 48.81 | 83.53 | 69.70 | 53.74 |
| | | 24°C | 111.64 | 103.40 | 36.43 | 108.12 | 101.25 | 38.94 | 104.38 | 98.98 | 41.85 | 100.39 | 96.57 | 45.16 | 90.40 | 88.38 | 48.86 | 83.95 | 83.95 | 53.80 |
| | | 27°C | 112.06 | 112.06 | 36.48 | 108.64 | 108.64 | 38.99 | 104.99 | 104.99 | 41.90 | 101.26 | 101.26 | 45.25 | 91.66 | 91.66 | 49.01 | 86.02 | 86.02 | 54.06 |
| | | 30°C | 116.50 | 116.50 | 36.84 | 113.56 | 113.56 | 39.42 | 110.40 | 110.40 | 42.42 | 107.02 | 107.02 | 45.83 | 97.22 | 97.22 | 49.65 | 91.41 | 91.41 | 54.74 |
| | 19°C | 24°C | 122.19 | 82.01 | 37.31 | 118.39 | 80.23 | 39.86 | 114.32 | 78.33 | 42.80 | 110.01 | 76.34 | 46.13 | 99.10 | 69.78 | 49.86 | 92.14 | 66.22 | 54.83 |
| | | 27°C | 122.50 | 95.80 | 37.34 | 118.68 | 93.85 | 39.89 | 114.64 | 91.77 | 42.83 | 110.34 | 89.58 | 46.17 | 99.45 | 82.04 | 49.90 | 92.53 | 78.05 | 54.87 |
| | | 30°C | 122.97 | 116.91 | 37.38 | 119.10 | 114.79 | 39.93 | 115.01 | 112.57 | 42.88 | 110.67 | 110.22 | 46.22 | 99.79 | 99.79 | 49.96 | 92.90 | 92.90 | 54.93 |
| | | 33°C | 123.69 | 123.69 | 37.43 | 120.16 | 120.16 | 40.02 | 116.65 | 116.65 | 43.03 | 113.15 | 113.15 | 46.47 | 102.90 | 102.90 | 50.32 | 96.91 | 96.91 | 55.45 |
| | 22°C | 27°C | 134.06 | 77.05 | 38.33 | 129.82 | 75.35 | 40.92 | 125.41 | 73.60 | 43.91 | 120.77 | 71.76 | 47.28 | 108.93 | 65.66 | 51.04 | 101.41 | 62.37 | 56.05 |
| | | 30°C | 134.25 | 95.24 | 38.35 | 130.02 | 93.35 | 40.94 | 125.64 | 91.39 | 43.93 | 121.00 | 89.27 | 47.30 | 109.15 | 81.84 | 51.06 | 101.68 | 77.97 | 56.07 |
| | | 33°C | 134.62 | 110.98 | 38.38 | 130.42 | 109.00 | 40.98 | 126.02 | 106.94 | 43.97 | 121.37 | 104.78 | 47.35 | 109.50 | 96.37 | 51.11 | 102.03 | 92.20 | 56.13 |
| | | 36°C | 135.01 | 126.37 | 38.41 | 130.80 | 124.38 | 41.02 | 126.34 | 122.27 | 44.01 | 121.73 | 120.11 | 47.39 | 109.93 | 109.93 | 51.16 | 102.93 | 102.93 | 56.25 |
| 12500 | 16°C | 21°C | 113.55 | 90.30 | 36.59 | 109.91 | 88.38 | 39.10 | 105.99 | 86.27 | 42.00 | 101.85 | 83.92 | 45.31 | 91.66 | 76.54 | 49.00 | 85.07 | 72.34 | 53.93 |
| | | 24°C | 114.14 | 107.65 | 36.65 | 110.51 | 105.46 | 39.15 | 106.62 | 103.13 | 42.06 | 102.48 | 100.66 | 45.37 | 92.23 | 92.19 | 49.07 | 85.57 | 85.57 | 54.00 |
| | | 27°C | 114.94 | 114.94 | 36.70 | 111.53 | 111.53 | 39.24 | 108.04 | 108.04 | 42.20 | 104.55 | 104.55 | 45.58 | 94.82 | 94.82 | 49.37 | 88.95 | 88.95 | 54.42 |
| | | 30°C | 120.89 | 120.89 | 37.20 | 117.78 | 117.78 | 39.80 | 114.44 | 114.44 | 42.81 | 110.88 | 110.88 | 46.23 | 100.67 | 100.67 | 50.05 | 94.60 | 94.60 | 55.15 |
| | 19°C | 24°C | 124.68 | 85.24 | 37.52 | 120.73 | 83.45 | 40.07 | 116.49 | 81.53 | 43.01 | 112.02 | 79.52 | 46.35 | 100.87 | 72.76 | 50.08 | 93.79 | 69.10 | 55.03 |
| | | 27°C | 125.15 | 99.78 | 37.56 | 121.20 | 97.77 | 40.12 | 116.99 | 95.64 | 43.06 | 112.54 | 93.41 | 46.40 | 101.37 | 85.60 | 50.13 | 94.27 | 81.51 | 55.10 |
| | | 30°C | 125.72 | 122.38 | 37.61 | 121.70 | 120.22 | 40.17 | 117.45 | 117.45 | 43.12 | 113.03 | 113.03 | 46.46 | 101.90 | 101.90 | 50.20 | 95.03 | 95.03 | 55.21 |
| | | 33°C | 127.68 | 127.68 | 37.78 | 124.42 | 124.42 | 40.42 | 120.98 | 120.98 | 43.46 | 117.32 | 117.32 | 46.91 | 106.63 | 106.63 | 50.77 | 100.37 | 100.37 | 55.91 |
| | 22°C | 27°C | 136.65 | 80.02 | 38.55 | 132.27 | 78.32 | 41.15 | 127.70 | 76.57 | 44.14 | 122.88 | 74.72 | 47.51 | 110.78 | 68.43 | 51.26 | 103.11 | 65.12 | 56.26 |
| | | 30°C | 136.97 | 99.39 | 38.58 | 132.61 | 97.40 | 41.19 | 128.06 | 95.35 | 44.17 | 123.25 | 93.18 | 47.55 | 111.14 | 85.46 | 51.31 | 103.51 | 81.47 | 56.31 |
| | | 33°C | 137.50 | 116.23 | 38.63 | 133.14 | 114.21 | 41.24 | 128.55 | 112.09 | 44.23 | 123.73 | 109.88 | 47.61 | 111.59 | 101.14 | 51.37 | 103.93 | 96.86 | 56.38 |
| | | 36°C | 137.98 | 132.89 | 38.68 | 133.60 | 130.84 | 41.29 | 129.09 | 128.50 | 44.29 | 124.62 | 124.62 | 47.70 | 112.96 | 112.96 | 51.54 | 106.21 | 106.21 | 56.69 |
| 13750 | 16°C | 21°C | 115.56 | 92.76 | 36.76 | 111.78 | 90.61 | 39.27 | 107.78 | 88.33 | 42.17 | 103.56 | 85.90 | 45.48 | 93.14 | 78.32 | 49.17 | 86.40 | 74.03 | 54.11 |
| | | 24°C | 116.31 | 110.55 | 36.82 | 112.52 | 108.32 | 39.33 | 108.52 | 105.97 | 42.24 | 104.26 | 103.48 | 45.55 | 93.75 | 93.75 | 49.25 | 86.99 | 86.99 | 54.18 |
| | | 27°C | 117.94 | 117.94 | 36.95 | 114.65 | 114.65 | 39.52 | 111.28 | 111.28 | 42.51 | 107.66 | 107.66 | 45.90 | 97.59 | 97.59 | 49.69 | 91.50 | 91.50 | 54.75 |
| | | 30°C | 124.78 | 124.78 | 37.53 | 121.48 | 121.48 | 40.15 | 117.99 | 117.99 | 43.16 | 114.26 | 114.26 | 46.59 | 103.69 | 103.69 | 50.41 | 97.39 | 97.39 | 55.51 |
| | 19°C | 24°C | 126.76 | 89.21 | 37.70 | 122.67 | 87.38 | 40.25 | 118.32 | 85.44 | 43.19 | 113.72 | 83.35 | 46.53 | 102.39 | 76.17 | 50.25 | 95.13 | 72.17 | 55.21 |
| | | 27°C | 127.40 | 104.42 | 37.76 | 123.32 | 102.36 | 40.31 | 118.95 | 100.15 | 43.26 | 114.38 | 97.86 | 46.60 | 102.98 | 89.73 | 50.33 | 95.70 | 85.49 | 55.29 |
| | | 30°C | 128.07 | 128.07 | 37.82 | 123.89 | 123.89 | 40.38 | 119.63 | 119.63 | 43.33 | 115.16 | 115.16 | 46.68 | 104.06 | 104.06 | 50.46 | 97.42 | 97.42 | 55.52 |
| | | 33°C | 131.83 | 131.83 | 38.14 | 128.41 | 128.41 | 40.79 | 124.82 | 124.82 | 43.85 | 120.99 | 120.99 | 47.31 | 109.92 | 109.92 | 51.17 | 103.40 | 103.40 | 56.31 |
| | 22°C | 27°C | 138.82 | 83.71 | 38.75 | 134.32 | 82.00 | 41.35 | 129.60 | 80.21 | 44.33 | 124.68 | 78.38 | 47.70 | 112.36 | 71.88 | 51.45 | 104.53 | 68.40 | 56.45 |
| | | 30°C | 139.28 | 104.11 | 38.79 | 134.80 | 102.06 | 41.40 | 130.13 | 99.93 | 44.39 | 125.21 | 97.69 | 47.76 | 112.86 | 89.65 | 51.51 | 105.05 | 85.52 | 56.52 |
| | | 33°C | 139.94 | 122.26 | 38.85 | 135.43 | 120.18 | 41.46 | 130.71 | 118.01 | 44.45 | 125.76 | 115.74 | 47.83 | 113.34 | 106.58 | 51.59 | 105.51 | 102.15 | 56.59 |
| | | 36°C | 140.64 | 140.02 | 38.91 | 136.43 | 136.43 | 41.55 | 132.13 | 132.13 | 44.60 | 127.86 | 127.86 | 48.06 | 116.23 | 116.23 | 51.95 | 109.51 | 109.51 | 57.13 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (shaded) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

# R22 Model
## (HEAT PUMP)
## Heating Mode
### Model: MRT055AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 10.87 | 3.88 | 19.42 | 4.65 | 24.09 | 5.08 | 26.43 | 5.29 | 28.76 | 5.50 |
| 17 | 10.65 | 4.03 | 18.21 | 4.81 | 23.43 | 5.24 | 25.69 | 5.45 | 27.94 | 5.66 |
| 19 | 10.43 | 4.18 | 16.99 | 4.97 | 22.77 | 5.40 | 24.95 | 5.61 | 27.12 | 5.83 |
| 21 | 10.22 | 4.33 | 15.77 | 5.13 | 22.11 | 5.56 | 24.21 | 5.78 | 26.31 | 5.99 |
| 23 | 10.00 | 4.49 | 16.02 | 5.29 | 21.45 | 5.72 | 23.47 | 5.94 | 25.49 | 6.16 |
| 25 | 9.79 | 4.64 | 16.27 | 5.44 | 20.79 | 5.88 | 22.73 | 6.10 | 24.67 | 6.32 |
| 27 | 9.57 | 4.79 | 16.51 | 5.60 | 20.13 | 6.04 | 21.99 | 6.27 | 23.85 | 6.49 |

### Model: MRT060AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 11.12 | 4.52 | 18.31 | 5.42 | 22.23 | 5.91 | 24.19 | 6.16 | 26.15 | 6.40 |
| 17 | 10.91 | 4.69 | 18.53 | 5.60 | 21.62 | 6.10 | 23.51 | 6.35 | 25.40 | 6.59 |
| 19 | 10.71 | 4.87 | 18.76 | 5.79 | 21.02 | 6.29 | 22.84 | 6.54 | 24.66 | 6.79 |
| 21 | 10.50 | 5.05 | 18.98 | 5.97 | 20.42 | 6.47 | 22.17 | 6.73 | 23.92 | 6.98 |
| 23 | 10.29 | 5.22 | 17.79 | 6.15 | 19.81 | 6.66 | 21.49 | 6.92 | 23.17 | 7.17 |
| 25 | 10.08 | 5.40 | 16.60 | 6.34 | 19.21 | 6.85 | 20.82 | 7.10 | 22.43 | 7.36 |
| 27 | 9.87 | 5.58 | 15.41 | 6.52 | 18.60 | 7.04 | 20.15 | 7.29 | 21.69 | 7.55 |

### Model: MRT080AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 16.11 | 5.90 | 23.64 | 7.08 | 27.75 | 7.72 | 29.80 | 8.04 | 31.86 | 8.37 |
| 17 | 15.84 | 6.13 | 23.44 | 7.32 | 27.01 | 7.97 | 28.98 | 8.29 | 30.95 | 8.62 |
| 19 | 15.56 | 6.36 | 23.24 | 7.56 | 26.27 | 8.21 | 28.16 | 8.54 | 30.05 | 8.87 |
| 21 | 15.28 | 6.59 | 23.04 | 7.80 | 25.53 | 8.46 | 27.33 | 8.79 | 29.14 | 9.12 |
| 23 | 15.00 | 6.82 | 22.06 | 8.04 | 24.78 | 8.70 | 26.51 | 9.04 | 28.24 | 9.37 |
| 25 | 14.72 | 7.06 | 21.09 | 8.28 | 24.04 | 8.95 | 25.69 | 9.28 | 27.33 | 9.62 |
| 27 | 14.45 | 7.29 | 20.12 | 8.52 | 23.30 | 9.19 | 24.86 | 9.53 | 26.43 | 9.87 |

### Model: MRT100AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 20.40 | 7.94 | 31.21 | 9.53 | 37.11 | 10.40 | 40.05 | 10.83 | 43.00 | 11.26 |
| 17 | 20.04 | 8.25 | 31.06 | 9.85 | 36.11 | 10.73 | 38.94 | 11.16 | 41.78 | 11.60 |
| 19 | 19.68 | 8.56 | 30.92 | 10.18 | 35.11 | 11.06 | 37.83 | 11.50 | 40.56 | 11.94 |
| 21 | 19.32 | 8.88 | 30.77 | 10.50 | 34.11 | 11.39 | 36.72 | 11.83 | 39.33 | 12.27 |
| 23 | 18.95 | 9.19 | 29.34 | 10.82 | 33.11 | 11.72 | 35.61 | 12.16 | 38.11 | 12.61 |
| 25 | 18.59 | 9.50 | 27.90 | 11.15 | 32.12 | 12.05 | 34.50 | 12.50 | 36.89 | 12.95 |
| 27 | 18.23 | 9.81 | 26.47 | 11.47 | 31.12 | 12.38 | 33.39 | 12.83 | 35.67 | 13.28 |

### Model: MRT120AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 20.00 | 8.09 | 34.26 | 9.71 | 42.04 | 10.59 | 45.93 | 11.04 | 49.82 | 11.48 |
| 17 | 19.62 | 8.41 | 33.82 | 10.04 | 40.90 | 10.93 | 44.65 | 11.38 | 48.40 | 11.82 |
| 19 | 19.23 | 8.73 | 33.38 | 10.37 | 39.75 | 11.27 | 43.37 | 11.71 | 46.99 | 12.16 |
| 21 | 18.85 | 9.04 | 32.94 | 10.70 | 38.60 | 11.60 | 42.08 | 12.05 | 45.57 | 12.51 |
| 23 | 18.46 | 9.36 | 31.60 | 11.03 | 37.45 | 11.94 | 40.80 | 12.39 | 44.15 | 12.85 |
| 25 | 18.08 | 9.68 | 30.26 | 11.36 | 36.30 | 12.28 | 39.52 | 12.73 | 42.74 | 13.19 |
| 27 | 17.69 | 10.00 | 28.92 | 11.69 | 35.16 | 12.61 | 38.24 | 13.07 | 41.32 | 13.54 |

Remarks:
TC = Total Cooling Capacity (kW)
PI = Power Input (kW)

## Model: MRT150AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 36.05 | 11.42 | 49.91 | 13.70 | 57.48 | 14.95 | 61.26 | 15.57 | 65.04 | 16.20 |
| 17 | 35.45 | 11.87 | 48.42 | 14.17 | 55.96 | 15.42 | 59.57 | 16.05 | 63.19 | 16.68 |
| 19 | 34.86 | 12.32 | 46.92 | 14.63 | 54.43 | 15.90 | 57.89 | 16.53 | 61.34 | 17.16 |
| 21 | 34.26 | 12.76 | 45.43 | 15.10 | 52.91 | 16.37 | 56.20 | 17.01 | 59.50 | 17.65 |
| 23 | 33.66 | 13.21 | 44.55 | 15.57 | 51.39 | 16.85 | 54.52 | 17.49 | 57.65 | 18.13 |
| 25 | 33.07 | 13.66 | 43.67 | 16.03 | 49.87 | 17.32 | 52.84 | 17.97 | 55.80 | 18.62 |
| 27 | 32.47 | 14.11 | 42.79 | 16.50 | 48.35 | 17.80 | 51.15 | 18.45 | 53.95 | 19.10 |

## Model: MRT200AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 44.88 | 15.43 | 69.90 | 18.52 | 83.55 | 20.20 | 90.37 | 21.04 | 97.20 | 21.88 |
| 17 | 44.07 | 16.03 | 66.92 | 19.14 | 81.30 | 20.84 | 87.86 | 21.69 | 94.43 | 22.54 |
| 19 | 43.27 | 16.64 | 63.94 | 19.77 | 79.04 | 21.48 | 85.36 | 22.33 | 91.67 | 23.19 |
| 21 | 42.46 | 17.24 | 60.96 | 20.40 | 76.79 | 22.12 | 82.85 | 22.98 | 88.91 | 23.84 |
| 23 | 41.65 | 17.85 | 60.52 | 21.03 | 74.54 | 22.76 | 80.34 | 23.63 | 86.14 | 24.50 |
| 25 | 40.84 | 18.45 | 60.08 | 21.66 | 72.28 | 23.40 | 77.83 | 24.28 | 83.38 | 25.15 |
| 27 | 40.04 | 19.06 | 59.64 | 22.28 | 70.03 | 24.05 | 75.32 | 24.93 | 80.62 | 25.81 |

## Model: MRT250AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 50.84 | 19.94 | 74.16 | 23.92 | 86.88 | 26.10 | 93.24 | 27.19 | 99.60 | 28.27 |
| 17 | 49.96 | 20.72 | 74.06 | 24.74 | 84.56 | 26.93 | 90.66 | 28.02 | 96.77 | 29.12 |
| 19 | 49.09 | 21.50 | 73.96 | 25.55 | 82.24 | 27.76 | 88.09 | 28.86 | 93.94 | 29.96 |
| 21 | 48.22 | 22.28 | 73.86 | 26.36 | 79.92 | 28.59 | 85.51 | 29.70 | 91.11 | 30.81 |
| 23 | 47.35 | 23.06 | 70.25 | 27.17 | 77.60 | 29.41 | 82.94 | 30.53 | 88.28 | 31.66 |
| 25 | 46.47 | 23.84 | 66.64 | 27.98 | 75.28 | 30.24 | 80.36 | 31.37 | 85.45 | 32.50 |
| 27 | 45.60 | 24.63 | 63.03 | 28.80 | 72.96 | 31.07 | 77.79 | 32.21 | 82.62 | 33.35 |

## Model: MRT300AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 63.77 | 24.70 | 97.26 | 29.64 | 115.52 | 32.34 | 124.66 | 33.68 | 133.79 | 35.03 |
| 17 | 62.64 | 25.67 | 93.66 | 30.65 | 112.42 | 33.36 | 121.20 | 34.72 | 129.99 | 36.08 |
| 19 | 61.51 | 26.64 | 90.06 | 31.65 | 109.31 | 34.39 | 117.75 | 35.76 | 126.18 | 37.13 |
| 21 | 60.38 | 27.61 | 86.46 | 32.66 | 106.21 | 35.42 | 114.29 | 36.80 | 122.38 | 38.17 |
| 23 | 59.25 | 28.57 | 85.31 | 33.67 | 103.10 | 36.44 | 110.84 | 37.83 | 118.58 | 39.22 |
| 25 | 58.12 | 29.54 | 84.15 | 34.67 | 100.00 | 37.47 | 107.38 | 38.87 | 114.77 | 40.27 |
| 27 | 56.99 | 30.51 | 83.00 | 35.68 | 96.89 | 38.50 | 103.93 | 39.91 | 110.97 | 41.31 |

## Model: MRT360AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 63.95 | 27.10 | 109.05 | 32.52 | 133.64 | 35.47 | 145.94 | 36.95 | 158.24 | 38.43 |
| 17 | 62.73 | 28.16 | 105.08 | 33.62 | 130.00 | 36.60 | 141.87 | 38.09 | 153.74 | 39.58 |
| 19 | 61.50 | 29.22 | 101.11 | 34.73 | 126.35 | 37.73 | 137.79 | 39.23 | 149.24 | 40.73 |
| 21 | 60.27 | 30.29 | 97.14 | 35.83 | 122.70 | 38.85 | 133.72 | 40.37 | 144.74 | 41.88 |
| 23 | 59.04 | 31.35 | 95.58 | 36.93 | 119.06 | 39.98 | 129.65 | 41.50 | 140.24 | 43.03 |
| 25 | 57.82 | 32.41 | 94.03 | 38.04 | 115.41 | 41.11 | 125.57 | 42.64 | 135.74 | 44.18 |
| 27 | 56.59 | 33.47 | 92.48 | 39.14 | 111.76 | 42.23 | 121.50 | 43.78 | 131.24 | 45.32 |

## Model: MRT420AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 68.95 | 30.86 | 117.36 | 37.03 | 143.76 | 40.40 | 156.97 | 42.08 | 170.17 | 43.76 |
| 17 | 67.62 | 32.07 | 116.57 | 38.29 | 139.84 | 41.68 | 152.59 | 43.37 | 165.33 | 45.07 |
| 19 | 66.30 | 33.28 | 115.79 | 39.54 | 135.92 | 42.96 | 148.21 | 44.67 | 160.49 | 46.38 |
| 21 | 64.98 | 34.49 | 115.00 | 40.80 | 132.00 | 44.24 | 143.82 | 45.97 | 155.65 | 47.69 |
| 23 | 63.66 | 35.69 | 109.66 | 42.06 | 128.08 | 45.53 | 139.44 | 47.26 | 150.81 | 49.00 |
| 25 | 62.34 | 36.91 | 104.32 | 43.31 | 124.15 | 46.81 | 135.06 | 48.56 | 145.97 | 50.30 |
| 27 | 61.02 | 38.12 | 98.98 | 44.57 | 120.23 | 48.09 | 130.68 | 49.85 | 141.13 | 51.61 |

Remarks:
TC = Total Cooling Capacity (kW)
PI = Power Input (kW)

# R407C Model

## (COOLING ONLY)

## Model: M4RT060A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 1620 | 16°C | 21°C | 17.09 | 11.25 | 4.62 | 16.55 | 11.00 | 4.94 | 15.97 | 10.74 | 5.31 | 15.35 | 10.46 | 5.73 | 13.82 | 9.55 | 6.20 | 12.83 | 9.03 | 6.82 |
| | | 24°C | 17.15 | 13.40 | 4.62 | 16.61 | 13.12 | 4.94 | 16.04 | 12.83 | 5.31 | 15.42 | 12.51 | 5.73 | 13.89 | 11.45 | 6.20 | 12.90 | 10.88 | 6.83 |
| | | 27°C | 17.22 | 15.42 | 4.63 | 16.69 | 15.14 | 4.95 | 16.13 | 14.82 | 5.32 | 15.56 | 14.44 | 5.74 | 14.08 | 13.15 | 6.22 | 13.22 | 12.35 | 6.86 |
| | | 30°C | 17.90 | 17.90 | 4.68 | 17.45 | 17.45 | 5.00 | 16.96 | 16.96 | 5.38 | 16.44 | 16.44 | 5.82 | 14.94 | 14.94 | 6.30 | 14.05 | 14.05 | 6.95 |
| | 19°C | 24°C | 18.77 | 10.63 | 4.74 | 18.19 | 10.40 | 5.06 | 17.56 | 10.15 | 5.43 | 16.90 | 9.89 | 5.86 | 15.23 | 9.04 | 6.33 | 14.16 | 8.58 | 6.96 |
| | | 27°C | 18.82 | 12.41 | 4.74 | 18.24 | 12.16 | 5.06 | 17.61 | 11.89 | 5.44 | 16.95 | 11.61 | 5.86 | 15.28 | 10.63 | 6.33 | 14.22 | 10.11 | 6.97 |
| | | 30°C | 18.89 | 15.15 | 4.74 | 18.30 | 14.87 | 5.07 | 17.67 | 14.59 | 5.44 | 17.00 | 14.28 | 5.87 | 15.33 | 13.13 | 6.34 | 14.27 | 12.55 | 6.97 |
| | | 33°C | 19.00 | 19.00 | 4.75 | 18.46 | 18.46 | 5.08 | 17.92 | 17.92 | 5.46 | 17.38 | 17.38 | 5.90 | 15.81 | 15.81 | 6.39 | 14.89 | 14.89 | 7.04 |
| | 22°C | 27°C | 20.60 | 9.98 | 4.87 | 19.95 | 9.76 | 5.19 | 19.27 | 9.54 | 5.57 | 18.56 | 9.30 | 6.00 | 16.74 | 8.51 | 6.48 | 15.58 | 8.08 | 7.11 |
| | | 30°C | 20.63 | 12.34 | 4.87 | 19.98 | 12.10 | 5.20 | 19.30 | 11.84 | 5.58 | 18.59 | 11.57 | 6.00 | 16.77 | 10.60 | 6.48 | 15.62 | 10.10 | 7.12 |
| | | 33°C | 20.68 | 14.38 | 4.87 | 20.04 | 14.12 | 5.20 | 19.36 | 13.86 | 5.58 | 18.65 | 13.58 | 6.01 | 16.82 | 12.49 | 6.49 | 15.68 | 11.95 | 7.12 |
| | | 36°C | 20.74 | 16.38 | 4.88 | 20.10 | 16.12 | 5.21 | 19.41 | 15.84 | 5.59 | 18.70 | 15.56 | 6.02 | 16.89 | 14.34 | 6.49 | 15.81 | 13.66 | 7.14 |
| 1800 | 16°C | 21°C | 17.45 | 11.70 | 4.65 | 16.89 | 11.45 | 4.96 | 16.29 | 11.18 | 5.33 | 15.65 | 10.87 | 5.75 | 14.08 | 9.92 | 6.22 | 13.07 | 9.37 | 6.85 |
| | | 24°C | 17.54 | 13.95 | 4.65 | 16.98 | 13.67 | 4.97 | 16.38 | 13.36 | 5.34 | 15.75 | 13.04 | 5.76 | 14.17 | 11.95 | 6.23 | 13.15 | 11.36 | 6.86 |
| | | 27°C | 17.66 | 16.17 | 4.66 | 17.14 | 15.82 | 4.98 | 16.60 | 15.41 | 5.36 | 16.06 | 14.93 | 5.79 | 14.57 | 13.61 | 6.27 | 13.67 | 12.81 | 6.91 |
| | | 30°C | 18.57 | 18.57 | 4.72 | 18.10 | 18.10 | 5.05 | 17.58 | 17.58 | 5.43 | 17.04 | 17.04 | 5.87 | 15.47 | 15.47 | 6.35 | 14.53 | 14.53 | 7.00 |
| | 19°C | 24°C | 19.16 | 11.05 | 4.76 | 18.55 | 10.81 | 5.09 | 17.90 | 10.56 | 5.46 | 17.21 | 10.30 | 5.88 | 15.50 | 9.43 | 6.36 | 14.41 | 8.95 | 6.99 |
| | | 27°C | 19.23 | 12.93 | 4.77 | 18.62 | 12.67 | 5.09 | 17.97 | 12.39 | 5.47 | 17.29 | 12.10 | 5.89 | 15.58 | 11.09 | 6.36 | 14.48 | 10.56 | 6.99 |
| | | 30°C | 19.32 | 15.86 | 4.77 | 18.70 | 15.58 | 5.10 | 18.05 | 15.28 | 5.47 | 17.37 | 14.98 | 5.90 | 15.66 | 13.77 | 6.37 | 14.60 | 13.09 | 7.01 |
| | | 33°C | 19.62 | 19.62 | 4.80 | 19.12 | 19.12 | 5.13 | 18.59 | 18.59 | 5.52 | 18.03 | 18.03 | 5.95 | 16.38 | 16.38 | 6.44 | 15.42 | 15.42 | 7.10 |
| | 22°C | 27°C | 20.99 | 10.37 | 4.89 | 20.32 | 10.15 | 5.22 | 19.62 | 9.92 | 5.60 | 18.88 | 9.68 | 6.03 | 17.02 | 8.87 | 6.51 | 15.84 | 8.44 | 7.14 |
| | | 30°C | 21.04 | 12.88 | 4.90 | 20.37 | 12.62 | 5.23 | 19.68 | 12.35 | 5.61 | 18.94 | 12.07 | 6.04 | 17.08 | 11.07 | 6.51 | 15.90 | 10.56 | 7.15 |
| | | 33°C | 21.13 | 15.06 | 4.90 | 20.46 | 14.80 | 5.24 | 19.75 | 14.52 | 5.61 | 19.01 | 14.24 | 6.04 | 17.14 | 13.11 | 6.52 | 15.97 | 12.55 | 7.16 |
| | | 36°C | 21.20 | 17.22 | 4.91 | 20.53 | 16.95 | 5.24 | 19.83 | 16.65 | 5.62 | 19.15 | 16.30 | 6.06 | 17.36 | 15.07 | 6.54 | 16.32 | 14.37 | 7.20 |
| 1980 | 16°C | 21°C | 17.76 | 12.02 | 4.67 | 17.17 | 11.74 | 4.98 | 16.56 | 11.45 | 5.35 | 15.91 | 11.13 | 5.77 | 14.31 | 10.15 | 6.24 | 13.27 | 9.59 | 6.87 |
| | | 24°C | 17.87 | 14.32 | 4.67 | 17.29 | 14.04 | 4.99 | 16.67 | 13.73 | 5.36 | 16.02 | 13.41 | 5.78 | 14.40 | 12.28 | 6.25 | 13.37 | 11.69 | 6.88 |
| | | 27°C | 18.12 | 16.70 | 4.69 | 17.62 | 16.42 | 5.02 | 17.10 | 16.10 | 5.40 | 16.54 | 15.73 | 5.83 | 14.99 | 14.30 | 6.31 | 14.06 | 13.48 | 6.95 |
| | | 30°C | 19.17 | 19.17 | 4.76 | 18.66 | 18.66 | 5.10 | 18.13 | 18.13 | 5.48 | 17.56 | 17.56 | 5.91 | 15.93 | 15.93 | 6.40 | 14.96 | 14.96 | 7.05 |
| | 19°C | 24°C | 19.48 | 11.56 | 4.79 | 18.85 | 11.32 | 5.11 | 18.18 | 11.07 | 5.48 | 17.47 | 10.80 | 5.91 | 15.73 | 9.87 | 6.38 | 14.62 | 9.35 | 7.01 |
| | | 27°C | 19.57 | 13.53 | 4.79 | 18.95 | 13.26 | 5.12 | 18.28 | 12.98 | 5.49 | 17.57 | 12.68 | 5.92 | 15.82 | 11.63 | 6.39 | 14.70 | 11.08 | 7.02 |
| | | 30°C | 19.68 | 16.67 | 4.80 | 19.03 | 16.38 | 5.13 | 18.38 | 16.08 | 5.50 | 17.69 | 15.73 | 5.93 | 15.99 | 14.38 | 6.41 | 14.97 | 13.58 | 7.05 |
| | | 33°C | 20.25 | 20.25 | 4.84 | 19.73 | 19.73 | 5.18 | 19.18 | 19.18 | 5.57 | 18.59 | 18.59 | 6.01 | 16.89 | 16.89 | 6.49 | 15.89 | 15.89 | 7.15 |
| | 22°C | 27°C | 21.33 | 10.85 | 4.92 | 20.64 | 10.62 | 5.25 | 19.91 | 10.39 | 5.63 | 19.16 | 10.16 | 6.06 | 17.26 | 9.31 | 6.53 | 16.06 | 8.86 | 7.17 |
| | | 30°C | 21.40 | 13.49 | 4.92 | 20.71 | 13.22 | 5.25 | 19.99 | 12.95 | 5.63 | 19.24 | 12.66 | 6.06 | 17.34 | 11.62 | 6.54 | 16.14 | 11.08 | 7.17 |
| | | 33°C | 21.50 | 15.84 | 4.93 | 20.81 | 15.57 | 5.26 | 20.08 | 15.29 | 5.64 | 19.32 | 15.00 | 6.07 | 17.41 | 13.81 | 6.55 | 16.21 | 13.24 | 7.18 |
| | | 36°C | 21.61 | 18.14 | 4.94 | 20.96 | 17.81 | 5.27 | 20.30 | 17.42 | 5.66 | 19.64 | 16.96 | 6.10 | 17.86 | 15.60 | 6.59 | 16.82 | 14.81 | 7.25 |

## Model: M4RT080A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 2543 | 16°C | 21°C | 20.85 | 14.51 | 6.82 | 20.19 | 14.19 | 7.29 | 19.49 | 13.85 | 7.84 | 18.74 | 13.49 | 8.46 | 16.86 | 12.32 | 9.15 | 15.66 | 11.65 | 10.08 |
| | | 24°C | 20.93 | 17.29 | 6.83 | 20.27 | 16.93 | 7.30 | 19.57 | 16.55 | 7.85 | 18.82 | 16.14 | 8.47 | 16.95 | 14.77 | 9.16 | 15.74 | 14.04 | 10.09 |
| | | 27°C | 21.01 | 19.90 | 6.84 | 20.37 | 19.53 | 7.31 | 19.69 | 19.12 | 7.86 | 18.99 | 18.63 | 8.48 | 17.19 | 16.97 | 9.19 | 16.13 | 15.93 | 10.14 |
| | | 30°C | 21.84 | 21.84 | 6.91 | 21.29 | 21.29 | 7.39 | 20.70 | 20.70 | 7.95 | 20.07 | 20.07 | 8.59 | 18.23 | 18.23 | 9.31 | 17.14 | 17.14 | 10.26 |
| | 19°C | 24°C | 22.91 | 13.71 | 7.00 | 22.20 | 13.41 | 7.47 | 21.43 | 13.09 | 8.02 | 20.63 | 12.76 | 8.65 | 18.58 | 11.67 | 9.35 | 17.28 | 11.07 | 10.28 |
| | | 27°C | 22.97 | 16.01 | 7.00 | 22.25 | 15.69 | 7.48 | 21.49 | 15.34 | 8.03 | 20.69 | 14.97 | 8.66 | 18.65 | 13.71 | 9.36 | 17.35 | 13.05 | 10.29 |
| | | 30°C | 23.06 | 19.54 | 7.01 | 22.33 | 19.19 | 7.49 | 21.56 | 18.82 | 8.04 | 20.75 | 18.43 | 8.67 | 18.71 | 16.94 | 9.37 | 17.42 | 16.20 | 10.30 |
| | | 33°C | 23.19 | 23.19 | 7.02 | 22.53 | 22.53 | 7.50 | 21.87 | 21.87 | 8.07 | 21.22 | 21.22 | 8.71 | 19.29 | 19.29 | 9.44 | 18.17 | 18.17 | 10.40 |
| | 22°C | 27°C | 25.14 | 12.88 | 7.19 | 24.34 | 12.60 | 7.67 | 23.51 | 12.30 | 8.23 | 22.64 | 12.00 | 8.86 | 20.42 | 10.98 | 9.57 | 19.01 | 10.43 | 10.51 |
| | | 30°C | 25.17 | 15.92 | 7.19 | 24.38 | 15.61 | 7.68 | 23.56 | 15.28 | 8.24 | 22.69 | 14.92 | 8.87 | 20.47 | 13.68 | 9.57 | 19.07 | 13.03 | 10.51 |
| | | 33°C | 25.24 | 18.55 | 7.20 | 24.45 | 18.22 | 7.68 | 23.63 | 17.88 | 8.24 | 22.76 | 17.51 | 8.88 | 20.53 | 16.11 | 9.58 | 19.13 | 15.41 | 10.52 |
| | | 36°C | 25.31 | 21.13 | 7.20 | 24.52 | 20.79 | 7.69 | 23.69 | 20.44 | 8.25 | 22.82 | 20.08 | 8.89 | 20.61 | 18.50 | 9.59 | 19.30 | 17.63 | 10.55 |
| 2826 | 16°C | 21°C | 21.29 | 15.10 | 6.86 | 20.61 | 14.77 | 7.33 | 19.87 | 14.42 | 7.88 | 19.10 | 14.03 | 8.50 | 17.19 | 12.79 | 9.19 | 15.95 | 12.09 | 10.11 |
| | | 24°C | 21.40 | 18.00 | 6.87 | 20.72 | 17.63 | 7.34 | 19.99 | 17.24 | 7.89 | 19.21 | 16.83 | 8.51 | 17.29 | 15.41 | 9.20 | 16.04 | 14.65 | 10.13 |
| | | 27°C | 21.55 | 20.86 | 6.88 | 20.91 | 20.41 | 7.36 | 20.26 | 19.88 | 7.91 | 19.60 | 19.26 | 8.55 | 17.78 | 17.56 | 9.26 | 16.68 | 16.52 | 10.20 |
| | | 30°C | 22.67 | 22.67 | 6.98 | 22.08 | 22.08 | 7.46 | 21.46 | 21.46 | 8.03 | 20.79 | 20.79 | 8.67 | 18.88 | 18.88 | 9.39 | 17.74 | 17.74 | 10.34 |
| | 19°C | 24°C | 23.38 | 14.25 | 7.04 | 22.64 | 13.95 | 7.51 | 21.84 | 13.63 | 8.07 | 21.00 | 13.29 | 8.69 | 18.91 | 12.16 | 9.39 | 17.59 | 11.55 | 10.32 |
| | | 27°C | 23.47 | 16.68 | 7.04 | 22.72 | 16.34 | 7.52 | 21.93 | 15.99 | 8.07 | 21.10 | 15.61 | 8.70 | 19.01 | 14.31 | 9.40 | 17.68 | 13.63 | 10.33 |
| | | 30°C | 23.57 | 20.46 | 7.05 | 22.82 | 20.10 | 7.53 | 22.02 | 19.72 | 8.09 | 21.19 | 19.32 | 8.71 | 19.11 | 17.76 | 9.41 | 17.82 | 16.89 | 10.35 |
| | | 33°C | 23.94 | 23.94 | 7.08 | 23.33 | 23.33 | 7.58 | 22.68 | 22.68 | 8.15 | 22.00 | 22.00 | 8.80 | 19.99 | 19.99 | 9.52 | 18.82 | 18.82 | 10.48 |
| | 22°C | 27°C | 25.62 | 13.38 | 7.23 | 24.80 | 13.09 | 7.72 | 23.94 | 12.80 | 8.28 | 23.04 | 12.49 | 8.91 | 20.77 | 11.44 | 9.61 | 19.33 | 10.89 | 10.55 |
| | | 30°C | 25.68 | 16.61 | 7.23 | 24.86 | 16.28 | 7.72 | 24.01 | 15.94 | 8.28 | 23.11 | 15.58 | 8.92 | 20.84 | 14.29 | 9.62 | 19.41 | 13.62 | 10.56 |
| | | 33°C | 25.78 | 19.43 | 7.24 | 24.96 | 19.09 | 7.73 | 24.10 | 18.74 | 8.29 | 23.20 | 18.37 | 8.93 | 20.92 | 16.91 | 9.63 | 19.49 | 16.19 | 10.57 |
| | | 36°C | 25.87 | 22.21 | 7.25 | 25.05 | 21.87 | 7.74 | 24.20 | 21.48 | 8.30 | 23.37 | 21.03 | 8.94 | 21.18 | 19.44 | 9.66 | 19.92 | 18.53 | 10.63 |
| 3109 | 16°C | 21°C | 21.67 | 15.51 | 6.89 | 20.96 | 15.15 | 7.36 | 20.21 | 14.77 | 7.91 | 19.42 | 14.36 | 8.53 | 17.46 | 13.09 | 9.22 | 16.20 | 12.37 | 10.15 |
| | | 24°C | 21.81 | 18.48 | 6.90 | 21.10 | 18.11 | 7.38 | 20.35 | 17.72 | 7.92 | 19.55 | 17.30 | 8.54 | 17.58 | 15.85 | 9.23 | 16.31 | 15.09 | 10.16 |
| | | 27°C | 22.11 | 21.54 | 6.93 | 21.50 | 21.18 | 7.41 | 20.86 | 20.77 | 7.97 | 20.19 | 20.19 | 8.61 | 18.30 | 18.30 | 9.32 | 17.16 | 17.16 | 10.27 |
| | | 30°C | 23.40 | 23.40 | 7.04 | 22.78 | 22.78 | 7.53 | 22.12 | 22.12 | 8.09 | 21.42 | 21.42 | 8.73 | 19.44 | 19.44 | 9.45 | 18.26 | 18.26 | 10.41 |
| | 19°C | 24°C | 23.77 | 14.91 | 7.07 | 23.00 | 14.61 | 7.55 | 22.18 | 14.28 | 8.10 | 21.32 | 13.93 | 8.72 | 19.20 | 12.73 | 9.42 | 17.84 | 12.06 | 10.35 |
| | | 27°C | 23.89 | 17.46 | 7.08 | 23.12 | 17.11 | 7.56 | 22.30 | 16.74 | 8.11 | 21.45 | 16.36 | 8.74 | 19.31 | 15.00 | 9.44 | 17.94 | 14.29 | 10.37 |
| | | 30°C | 24.01 | 21.51 | 7.09 | 23.23 | 21.14 | 7.57 | 22.43 | 20.74 | 8.12 | 21.59 | 20.29 | 8.75 | 19.51 | 18.55 | 9.46 | 18.27 | 17.52 | 10.41 |
| | | 33°C | 24.72 | 24.72 | 7.15 | 24.08 | 24.08 | 7.65 | 23.40 | 23.40 | 8.22 | 22.68 | 22.68 | 8.87 | 20.61 | 20.61 | 9.59 | 19.39 | 19.39 | 10.56 |
| | 22°C | 27°C | 26.03 | 13.99 | 7.26 | 25.19 | 13.71 | 7.75 | 24.30 | 13.41 | 8.31 | 23.38 | 13.10 | 8.94 | 21.07 | 12.02 | 9.65 | 19.60 | 11.43 | 10.58 |
| | | 30°C | 26.11 | 17.40 | 7.27 | 25.28 | 17.06 | 7.76 | 24.40 | 16.70 | 8.32 | 23.48 | 16.33 | 8.96 | 21.16 | 14.99 | 9.66 | 19.70 | 14.30 | 10.60 |
| | | 33°C | 26.24 | 20.44 | 7.28 | 25.39 | 20.09 | 7.77 | 24.51 | 19.73 | 8.33 | 23.58 | 19.35 | 8.97 | 21.25 | 17.82 | 9.67 | 19.78 | 17.08 | 10.61 |
| | | 36°C | 26.37 | 23.41 | 7.30 | 25.58 | 22.97 | 7.79 | 24.77 | 22.47 | 8.36 | 23.97 | 21.88 | 9.01 | 21.79 | 20.12 | 9.74 | 20.53 | 19.11 | 10.71 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. [shaded box] shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: M4RT100A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 3179 | 16°C | 21°C | 27.51 | 19.67 | 9.10 | 26.64 | 19.23 | 9.72 | 25.72 | 18.77 | 10.45 | 24.72 | 18.28 | 11.28 | 22.25 | 16.69 | 12.20 | 20.66 | 15.79 | 13.43 |
| | | 24°C | 27.62 | 23.42 | 9.11 | 26.75 | 22.94 | 9.74 | 25.82 | 22.42 | 10.46 | 24.84 | 21.88 | 11.29 | 22.36 | 20.02 | 12.21 | 20.77 | 19.03 | 13.45 |
| | | 27°C | 27.72 | 26.96 | 9.12 | 26.88 | 26.46 | 9.75 | 25.97 | 25.91 | 10.48 | 25.05 | 25.05 | 11.31 | 22.68 | 22.68 | 12.25 | 21.28 | 21.28 | 13.51 |
| | | 30°C | 28.82 | 28.82 | 9.21 | 28.10 | 28.10 | 9.86 | 27.31 | 27.31 | 10.61 | 26.48 | 26.48 | 11.46 | 24.05 | 24.05 | 12.41 | 22.62 | 22.62 | 13.69 |
| | 19°C | 24°C | 30.23 | 18.58 | 9.33 | 29.29 | 18.17 | 9.96 | 28.28 | 17.74 | 10.70 | 27.21 | 17.29 | 11.53 | 24.52 | 15.81 | 12.47 | 22.79 | 15.00 | 13.71 |
| | | 27°C | 30.31 | 21.70 | 9.33 | 29.36 | 21.26 | 9.97 | 28.36 | 20.79 | 10.71 | 27.30 | 20.29 | 11.54 | 24.60 | 18.58 | 12.48 | 22.89 | 17.68 | 13.72 |
| | | 30°C | 30.42 | 26.48 | 9.34 | 29.46 | 26.00 | 9.98 | 28.45 | 25.50 | 10.72 | 27.38 | 24.97 | 11.56 | 24.69 | 22.95 | 12.49 | 22.98 | 21.95 | 13.73 |
| | | 33°C | 30.60 | 30.60 | 9.36 | 29.73 | 29.73 | 10.01 | 28.86 | 28.86 | 10.76 | 27.99 | 27.99 | 11.62 | 25.46 | 25.46 | 12.58 | 23.97 | 23.97 | 13.86 |
| | 22°C | 27°C | 33.17 | 17.45 | 9.58 | 32.12 | 17.07 | 10.23 | 31.03 | 16.67 | 10.98 | 29.88 | 16.26 | 11.82 | 26.95 | 14.87 | 12.76 | 25.09 | 14.13 | 14.01 |
| | | 30°C | 33.21 | 21.58 | 9.59 | 32.17 | 21.15 | 10.24 | 31.08 | 20.70 | 10.98 | 29.94 | 20.22 | 11.83 | 27.00 | 18.54 | 12.77 | 25.16 | 17.66 | 14.02 |
| | | 33°C | 33.31 | 25.14 | 9.59 | 32.26 | 24.69 | 10.25 | 31.18 | 24.22 | 10.99 | 30.03 | 23.73 | 11.84 | 27.09 | 21.83 | 12.78 | 25.24 | 20.89 | 14.03 |
| | | 36°C | 33.40 | 28.63 | 9.60 | 32.36 | 28.18 | 10.25 | 31.26 | 27.70 | 11.00 | 30.11 | 27.21 | 11.85 | 27.20 | 25.06 | 12.79 | 25.46 | 23.89 | 14.06 |
| 3532 | 16°C | 21°C | 28.09 | 20.46 | 9.15 | 27.19 | 20.02 | 9.77 | 26.22 | 19.54 | 10.50 | 25.20 | 19.01 | 11.33 | 22.68 | 17.34 | 12.25 | 21.05 | 16.39 | 13.48 |
| | | 24°C | 28.24 | 24.39 | 9.16 | 27.34 | 23.89 | 9.79 | 26.38 | 23.36 | 10.51 | 25.35 | 22.80 | 11.34 | 22.82 | 20.88 | 12.27 | 21.17 | 19.86 | 13.50 |
| | | 27°C | 28.43 | 28.27 | 9.18 | 27.59 | 27.59 | 9.81 | 26.73 | 26.73 | 10.55 | 25.87 | 25.87 | 11.39 | 23.46 | 23.46 | 12.34 | 22.00 | 22.00 | 13.61 |
| | | 30°C | 29.91 | 29.91 | 9.30 | 29.14 | 29.14 | 9.95 | 28.31 | 28.31 | 10.70 | 27.43 | 27.43 | 11.56 | 24.91 | 24.91 | 12.51 | 23.40 | 23.40 | 13.79 |
| | 19°C | 24°C | 30.84 | 19.31 | 9.38 | 29.87 | 18.90 | 10.02 | 28.82 | 18.47 | 10.75 | 27.71 | 18.01 | 11.59 | 24.95 | 16.48 | 12.52 | 23.20 | 15.65 | 13.76 |
| | | 27°C | 30.96 | 22.60 | 9.39 | 29.98 | 22.15 | 10.03 | 28.94 | 21.67 | 10.77 | 27.84 | 21.16 | 11.60 | 25.08 | 19.39 | 12.53 | 23.32 | 18.46 | 13.77 |
| | | 30°C | 31.10 | 27.72 | 9.40 | 30.11 | 27.23 | 10.04 | 29.06 | 26.72 | 10.78 | 27.96 | 26.19 | 11.62 | 25.21 | 24.07 | 12.55 | 23.51 | 22.89 | 13.80 |
| | | 33°C | 31.59 | 31.59 | 9.44 | 30.78 | 30.78 | 10.10 | 29.93 | 29.93 | 10.87 | 29.02 | 29.02 | 11.73 | 26.38 | 26.38 | 12.69 | 24.83 | 24.83 | 13.98 |
| | 22°C | 27°C | 33.81 | 18.13 | 9.64 | 32.72 | 17.74 | 10.29 | 31.59 | 17.34 | 11.03 | 30.40 | 16.93 | 11.88 | 27.41 | 15.50 | 12.82 | 25.51 | 14.75 | 14.07 |
| | | 30°C | 33.89 | 22.51 | 9.65 | 32.81 | 22.06 | 10.30 | 31.68 | 21.60 | 11.04 | 30.49 | 21.11 | 11.89 | 27.50 | 19.36 | 12.83 | 25.61 | 18.46 | 14.08 |
| | | 33°C | 34.02 | 26.33 | 9.66 | 32.94 | 25.87 | 10.31 | 31.80 | 25.39 | 11.06 | 30.61 | 24.89 | 11.90 | 27.61 | 22.91 | 12.84 | 25.71 | 21.94 | 14.09 |
| | | 36°C | 34.13 | 30.10 | 9.67 | 33.05 | 29.64 | 10.32 | 31.94 | 29.11 | 11.07 | 30.83 | 28.49 | 11.93 | 27.95 | 26.34 | 12.88 | 26.28 | 25.11 | 14.17 |
| 3885 | 16°C | 21°C | 28.59 | 21.01 | 9.19 | 27.65 | 20.53 | 9.82 | 26.66 | 20.01 | 10.54 | 25.62 | 19.46 | 11.37 | 23.04 | 17.74 | 12.29 | 21.37 | 16.77 | 13.53 |
| | | 24°C | 28.77 | 25.04 | 9.21 | 27.84 | 24.54 | 9.83 | 26.85 | 24.01 | 10.56 | 25.79 | 23.44 | 11.39 | 23.19 | 21.48 | 12.31 | 21.52 | 20.44 | 13.55 |
| | | 27°C | 29.18 | 29.18 | 9.24 | 28.37 | 28.37 | 9.88 | 27.53 | 27.53 | 10.63 | 26.64 | 26.64 | 11.47 | 24.14 | 24.14 | 12.42 | 22.64 | 22.64 | 13.69 |
| | | 30°C | 30.87 | 30.87 | 9.38 | 30.05 | 30.05 | 10.04 | 29.19 | 29.19 | 10.79 | 28.27 | 28.27 | 11.65 | 25.65 | 25.65 | 12.60 | 24.09 | 24.09 | 13.88 |
| | 19°C | 24°C | 31.36 | 20.21 | 9.43 | 30.35 | 19.79 | 10.06 | 29.27 | 19.35 | 10.80 | 28.13 | 18.88 | 11.63 | 25.33 | 17.25 | 12.56 | 23.53 | 16.35 | 13.80 |
| | | 27°C | 31.52 | 23.65 | 9.44 | 30.51 | 23.19 | 10.08 | 29.43 | 22.69 | 10.82 | 28.30 | 22.17 | 11.65 | 25.48 | 20.33 | 12.58 | 23.67 | 19.37 | 13.82 |
| | | 30°C | 31.68 | 29.15 | 9.45 | 30.65 | 28.64 | 10.09 | 29.60 | 28.10 | 10.83 | 28.49 | 27.50 | 11.67 | 25.74 | 25.14 | 12.61 | 24.10 | 23.74 | 13.88 |
| | | 33°C | 32.61 | 32.61 | 9.53 | 31.77 | 31.77 | 10.20 | 30.88 | 30.88 | 10.96 | 29.93 | 29.93 | 11.83 | 27.19 | 27.19 | 12.79 | 25.58 | 25.58 | 14.08 |
| | 22°C | 27°C | 34.34 | 18.96 | 9.69 | 33.23 | 18.57 | 10.34 | 32.06 | 18.17 | 11.08 | 30.84 | 17.76 | 11.93 | 27.80 | 16.28 | 12.86 | 25.86 | 15.49 | 14.11 |
| | | 30°C | 34.46 | 23.58 | 9.70 | 33.35 | 23.12 | 10.35 | 32.19 | 22.64 | 11.10 | 30.98 | 22.13 | 11.94 | 27.92 | 20.31 | 12.88 | 25.99 | 19.37 | 14.13 |
| | | 33°C | 34.62 | 27.70 | 9.71 | 33.50 | 27.22 | 10.36 | 32.34 | 26.73 | 11.11 | 31.11 | 26.22 | 11.96 | 28.04 | 24.14 | 12.90 | 26.10 | 23.14 | 14.15 |
| | | 36°C | 34.79 | 31.72 | 9.73 | 33.75 | 31.13 | 10.39 | 32.69 | 30.45 | 11.15 | 31.63 | 29.65 | 12.02 | 28.76 | 27.27 | 12.99 | 27.09 | 25.89 | 14.28 |

## Model: M4RT120A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 3240 | 16°C | 21°C | 31.86 | 22.47 | 9.55 | 30.85 | 21.97 | 10.21 | 29.78 | 21.45 | 10.97 | 28.62 | 20.89 | 11.84 | 25.76 | 19.07 | 12.81 | 23.93 | 18.04 | 14.11 |
| | | 24°C | 31.98 | 26.77 | 9.56 | 30.97 | 26.21 | 10.22 | 29.90 | 25.62 | 10.98 | 28.76 | 25.00 | 11.85 | 25.90 | 22.88 | 12.83 | 24.05 | 21.74 | 14.12 |
| | | 27°C | 32.10 | 30.81 | 9.58 | 31.12 | 30.23 | 10.23 | 30.07 | 29.61 | 11.00 | 29.01 | 28.85 | 11.88 | 26.26 | 26.26 | 12.86 | 24.64 | 24.64 | 14.19 |
| | | 30°C | 33.37 | 33.37 | 9.67 | 32.53 | 32.53 | 10.35 | 31.63 | 31.63 | 11.14 | 30.66 | 30.66 | 12.03 | 27.85 | 27.85 | 13.03 | 26.19 | 26.19 | 14.37 |
| | 19°C | 24°C | 35.00 | 21.23 | 9.80 | 33.91 | 20.77 | 10.46 | 32.75 | 20.28 | 11.23 | 31.51 | 19.76 | 12.11 | 28.39 | 18.06 | 13.09 | 26.39 | 17.14 | 14.39 |
| | | 27°C | 35.09 | 24.80 | 9.80 | 34.00 | 24.29 | 10.47 | 32.84 | 23.75 | 11.24 | 31.61 | 23.19 | 12.12 | 28.49 | 21.24 | 13.10 | 26.51 | 20.20 | 14.40 |
| | | 30°C | 35.23 | 30.26 | 9.81 | 34.12 | 29.71 | 10.48 | 32.94 | 29.14 | 11.26 | 31.70 | 28.53 | 12.13 | 28.59 | 26.23 | 13.11 | 26.61 | 25.08 | 14.42 |
| | | 33°C | 35.43 | 35.43 | 9.83 | 34.42 | 34.42 | 10.51 | 33.42 | 33.42 | 11.30 | 32.41 | 32.41 | 12.20 | 29.48 | 29.48 | 13.21 | 27.76 | 27.76 | 14.56 |
| | 22°C | 27°C | 38.40 | 19.94 | 10.06 | 37.19 | 19.50 | 10.74 | 35.93 | 19.05 | 11.53 | 34.60 | 18.58 | 12.41 | 31.20 | 16.99 | 13.40 | 29.05 | 16.14 | 14.71 |
| | | 30°C | 38.46 | 24.65 | 10.07 | 37.25 | 24.16 | 10.75 | 35.99 | 23.65 | 11.53 | 34.66 | 23.11 | 12.42 | 31.27 | 21.18 | 13.40 | 29.13 | 20.18 | 14.72 |
| | | 33°C | 38.56 | 28.73 | 10.07 | 37.36 | 28.21 | 10.76 | 36.10 | 27.68 | 11.54 | 34.77 | 27.12 | 12.43 | 31.37 | 24.94 | 13.42 | 29.23 | 23.87 | 14.73 |
| | | 36°C | 38.67 | 32.71 | 10.08 | 37.47 | 32.19 | 10.77 | 36.19 | 31.65 | 11.55 | 34.87 | 31.09 | 12.44 | 31.49 | 28.64 | 13.43 | 29.48 | 27.29 | 14.76 |
| 3600 | 16°C | 21°C | 32.53 | 23.37 | 9.61 | 31.49 | 22.88 | 10.26 | 30.36 | 22.33 | 11.03 | 29.18 | 21.72 | 11.89 | 26.26 | 19.81 | 12.86 | 24.37 | 18.73 | 14.16 |
| | | 24°C | 32.70 | 27.86 | 9.62 | 31.66 | 27.30 | 10.28 | 30.54 | 26.70 | 11.04 | 29.36 | 26.06 | 11.91 | 26.42 | 23.86 | 12.88 | 24.51 | 22.69 | 14.18 |
| | | 27°C | 32.92 | 32.30 | 9.64 | 31.95 | 31.61 | 10.30 | 30.95 | 30.79 | 11.08 | 29.95 | 29.83 | 11.96 | 27.16 | 27.16 | 12.96 | 25.48 | 25.48 | 14.29 |
| | | 30°C | 34.63 | 34.63 | 9.77 | 33.74 | 33.74 | 10.45 | 32.78 | 32.78 | 11.24 | 31.76 | 31.76 | 12.14 | 28.84 | 28.84 | 13.14 | 27.10 | 27.10 | 14.48 |
| | 19°C | 24°C | 35.71 | 22.06 | 9.85 | 34.58 | 21.60 | 10.52 | 33.37 | 21.10 | 11.29 | 32.09 | 20.58 | 12.17 | 28.89 | 18.83 | 13.14 | 26.87 | 17.89 | 14.45 |
| | | 27°C | 35.85 | 25.83 | 9.86 | 34.72 | 25.31 | 10.53 | 33.51 | 24.76 | 11.30 | 32.24 | 24.18 | 12.18 | 29.04 | 22.16 | 13.16 | 27.01 | 21.10 | 14.46 |
| | | 30°C | 36.01 | 31.68 | 9.87 | 34.86 | 31.12 | 10.54 | 33.65 | 30.53 | 11.32 | 32.38 | 29.92 | 12.20 | 29.19 | 27.50 | 13.18 | 27.22 | 26.16 | 14.49 |
| | | 33°C | 36.58 | 36.58 | 9.92 | 35.64 | 35.64 | 10.61 | 34.66 | 34.66 | 11.41 | 33.61 | 33.61 | 12.31 | 30.55 | 30.55 | 13.33 | 28.75 | 28.75 | 14.68 |
| | 22°C | 27°C | 39.14 | 20.71 | 10.12 | 37.89 | 20.27 | 10.80 | 36.58 | 19.82 | 11.59 | 35.20 | 19.34 | 12.47 | 31.73 | 17.71 | 13.46 | 29.54 | 16.86 | 14.77 |
| | | 30°C | 39.24 | 25.73 | 10.13 | 37.99 | 25.21 | 10.81 | 36.68 | 24.68 | 11.60 | 35.31 | 24.12 | 12.48 | 31.84 | 22.12 | 13.47 | 29.65 | 21.09 | 14.78 |
| | | 33°C | 39.39 | 30.09 | 10.14 | 38.14 | 29.56 | 10.83 | 36.83 | 29.01 | 11.61 | 35.44 | 28.44 | 12.50 | 31.97 | 26.18 | 13.48 | 29.77 | 25.07 | 14.80 |
| | | 36°C | 39.52 | 34.40 | 10.15 | 38.27 | 33.87 | 10.84 | 36.98 | 33.26 | 11.63 | 35.70 | 32.56 | 12.52 | 32.36 | 30.10 | 13.53 | 30.43 | 28.70 | 14.88 |
| 3960 | 16°C | 21°C | 33.10 | 24.01 | 9.65 | 32.02 | 23.46 | 10.31 | 30.87 | 22.86 | 11.07 | 29.67 | 22.23 | 11.94 | 26.68 | 20.27 | 12.91 | 24.75 | 19.16 | 14.20 |
| | | 24°C | 33.32 | 28.61 | 9.67 | 32.23 | 28.04 | 10.33 | 31.09 | 27.43 | 11.09 | 29.87 | 26.79 | 11.96 | 26.86 | 24.54 | 12.93 | 24.92 | 23.36 | 14.22 |
| | | 27°C | 33.78 | 33.35 | 9.70 | 32.84 | 32.80 | 10.37 | 31.88 | 31.88 | 11.16 | 30.84 | 30.84 | 12.05 | 27.96 | 27.96 | 13.04 | 26.21 | 26.21 | 14.37 |
| | | 30°C | 35.74 | 35.74 | 9.85 | 34.80 | 34.80 | 10.54 | 33.80 | 33.80 | 11.33 | 32.73 | 32.73 | 12.23 | 29.70 | 29.70 | 13.23 | 27.90 | 27.90 | 14.57 |
| | 19°C | 24°C | 36.31 | 23.09 | 9.90 | 35.14 | 22.62 | 10.57 | 33.89 | 22.12 | 11.34 | 32.58 | 21.58 | 12.21 | 29.33 | 19.72 | 13.19 | 27.25 | 18.68 | 14.49 |
| | | 27°C | 36.49 | 27.03 | 9.91 | 35.33 | 26.49 | 10.58 | 34.07 | 25.92 | 11.36 | 32.76 | 25.33 | 12.23 | 29.50 | 23.23 | 13.21 | 27.41 | 22.13 | 14.51 |
| | | 30°C | 36.69 | 33.31 | 9.93 | 35.49 | 32.73 | 10.60 | 34.27 | 32.11 | 11.37 | 32.99 | 31.42 | 12.25 | 29.81 | 28.73 | 13.24 | 27.91 | 27.13 | 14.57 |
| | | 33°C | 37.76 | 37.76 | 10.01 | 36.78 | 36.78 | 10.71 | 35.75 | 35.75 | 11.51 | 34.66 | 34.66 | 12.42 | 31.49 | 31.49 | 13.43 | 29.62 | 29.62 | 14.78 |
| | 22°C | 27°C | 39.77 | 21.67 | 10.17 | 38.48 | 21.22 | 10.85 | 37.13 | 20.76 | 11.64 | 35.71 | 20.29 | 12.52 | 32.19 | 18.61 | 13.51 | 29.94 | 17.70 | 14.82 |
| | | 30°C | 39.90 | 26.95 | 10.18 | 38.62 | 26.42 | 10.87 | 37.28 | 25.87 | 11.65 | 35.87 | 25.29 | 12.54 | 32.33 | 23.21 | 13.52 | 30.09 | 22.14 | 14.84 |
| | | 33°C | 40.09 | 31.65 | 10.20 | 38.79 | 31.11 | 10.88 | 37.44 | 30.55 | 11.67 | 36.02 | 29.96 | 12.56 | 32.47 | 27.59 | 13.54 | 30.22 | 26.44 | 14.86 |
| | | 36°C | 40.29 | 36.24 | 10.21 | 39.08 | 35.57 | 10.91 | 37.85 | 34.79 | 11.71 | 36.63 | 33.88 | 12.62 | 33.30 | 31.16 | 13.64 | 31.37 | 29.59 | 15.00 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (shaded) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: M4RT150A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 5086 | 16°C | 21°C | 40.55 | 27.84 | 13.49 | 39.26 | 27.22 | 14.42 | 37.90 | 26.57 | 15.50 | 36.43 | 25.88 | 16.72 | 32.78 | 23.63 | 18.09 | 30.45 | 22.35 | 19.92 |
| | | 24°C | 40.70 | 33.16 | 13.51 | 39.42 | 32.47 | 14.43 | 38.06 | 31.74 | 15.51 | 36.60 | 30.96 | 16.74 | 32.96 | 28.34 | 18.11 | 30.61 | 26.93 | 19.94 |
| | | 27°C | 40.85 | 38.16 | 13.52 | 39.61 | 37.45 | 14.45 | 38.28 | 36.68 | 15.53 | 36.92 | 35.74 | 16.77 | 33.42 | 32.54 | 18.17 | 31.36 | 30.56 | 20.04 |
| | | 30°C | 42.47 | 42.47 | 13.65 | 41.40 | 41.40 | 14.61 | 40.25 | 40.25 | 15.73 | 39.02 | 39.02 | 16.99 | 35.44 | 35.44 | 18.40 | 33.33 | 33.33 | 20.29 |
| | 19°C | 24°C | 44.55 | 26.30 | 13.83 | 43.16 | 25.73 | 14.77 | 41.68 | 25.12 | 15.86 | 40.11 | 24.48 | 17.10 | 36.13 | 22.38 | 18.48 | 33.59 | 21.23 | 20.33 |
| | | 27°C | 44.66 | 30.72 | 13.84 | 43.27 | 30.09 | 14.79 | 41.79 | 29.43 | 15.88 | 40.23 | 28.72 | 17.11 | 36.26 | 26.31 | 18.50 | 33.73 | 25.03 | 20.34 |
| | | 30°C | 44.83 | 37.49 | 13.86 | 43.42 | 36.81 | 14.80 | 41.93 | 36.10 | 15.90 | 40.35 | 35.34 | 17.13 | 36.38 | 32.49 | 18.52 | 33.87 | 31.07 | 20.36 |
| | | 33°C | 45.09 | 45.09 | 13.88 | 43.81 | 43.81 | 14.84 | 42.53 | 42.53 | 15.95 | 41.25 | 41.25 | 17.23 | 37.51 | 37.51 | 18.65 | 35.33 | 35.33 | 20.56 |
| | 22°C | 27°C | 48.88 | 24.71 | 14.21 | 47.33 | 24.16 | 15.17 | 45.72 | 23.60 | 16.28 | 44.03 | 23.01 | 17.53 | 39.71 | 21.05 | 18.92 | 36.97 | 20.00 | 20.78 |
| | | 30°C | 48.94 | 30.54 | 14.21 | 47.40 | 29.93 | 15.18 | 45.81 | 29.30 | 16.28 | 44.12 | 28.63 | 17.53 | 39.79 | 26.24 | 18.93 | 37.07 | 25.00 | 20.79 |
| | | 33°C | 49.08 | 35.59 | 14.23 | 47.55 | 34.95 | 15.19 | 45.94 | 34.29 | 16.30 | 44.25 | 33.60 | 17.55 | 39.92 | 30.90 | 18.95 | 37.20 | 29.56 | 20.81 |
| | | 36°C | 49.22 | 40.52 | 14.24 | 47.69 | 39.88 | 15.21 | 46.06 | 39.21 | 16.32 | 44.38 | 38.51 | 17.57 | 40.08 | 35.48 | 18.97 | 37.53 | 33.81 | 20.85 |
| 5651 | 16°C | 21°C | 41.40 | 28.96 | 13.56 | 40.07 | 28.34 | 14.49 | 38.64 | 27.66 | 15.57 | 37.13 | 26.91 | 16.80 | 33.42 | 24.54 | 18.16 | 31.02 | 23.20 | 19.99 |
| | | 24°C | 41.61 | 34.52 | 13.58 | 40.29 | 33.82 | 14.51 | 38.87 | 33.07 | 15.59 | 37.36 | 32.28 | 16.82 | 33.62 | 29.56 | 18.19 | 31.20 | 28.11 | 20.02 |
| | | 27°C | 41.90 | 40.02 | 13.61 | 40.66 | 39.16 | 14.55 | 39.39 | 38.14 | 15.64 | 38.12 | 36.95 | 16.90 | 34.57 | 33.68 | 18.30 | 32.43 | 31.69 | 20.17 |
| | | 30°C | 44.08 | 44.08 | 13.79 | 42.94 | 42.94 | 14.75 | 41.72 | 41.72 | 15.87 | 40.42 | 40.42 | 17.14 | 36.70 | 36.70 | 18.55 | 34.49 | 34.49 | 20.44 |
| | 19°C | 24°C | 45.45 | 27.33 | 13.91 | 44.02 | 26.76 | 14.85 | 42.47 | 26.14 | 15.95 | 40.84 | 25.50 | 17.18 | 36.78 | 23.33 | 18.56 | 34.19 | 22.16 | 20.40 |
| | | 27°C | 45.63 | 31.99 | 13.92 | 44.19 | 31.35 | 14.87 | 42.65 | 30.67 | 15.96 | 41.03 | 29.95 | 17.20 | 36.96 | 27.45 | 18.58 | 34.37 | 26.14 | 20.42 |
| | | 30°C | 45.83 | 39.24 | 13.94 | 44.37 | 38.55 | 14.89 | 42.82 | 37.82 | 15.98 | 41.21 | 37.07 | 17.22 | 37.15 | 34.07 | 18.61 | 34.65 | 32.40 | 20.47 |
| | | 33°C | 46.55 | 46.55 | 14.00 | 45.36 | 45.36 | 14.98 | 44.11 | 44.11 | 16.11 | 42.77 | 42.77 | 17.39 | 38.88 | 38.88 | 18.82 | 36.59 | 36.59 | 20.72 |
| | 22°C | 27°C | 49.82 | 25.66 | 14.29 | 48.22 | 25.12 | 15.26 | 46.56 | 24.55 | 16.36 | 44.80 | 23.96 | 17.61 | 40.39 | 21.94 | 19.00 | 37.59 | 20.88 | 20.86 |
| | | 30°C | 49.94 | 31.87 | 14.30 | 48.35 | 31.23 | 15.27 | 46.69 | 30.57 | 16.37 | 44.94 | 29.88 | 17.63 | 40.52 | 27.40 | 19.02 | 37.74 | 26.12 | 20.87 |
| | | 33°C | 50.13 | 37.27 | 14.32 | 48.54 | 36.62 | 15.29 | 46.87 | 35.94 | 16.40 | 45.11 | 35.23 | 17.65 | 40.68 | 32.43 | 19.04 | 37.89 | 31.06 | 20.90 |
| | | 36°C | 50.30 | 42.61 | 14.34 | 48.71 | 41.95 | 15.31 | 47.06 | 41.20 | 16.42 | 45.43 | 40.33 | 17.68 | 41.18 | 37.28 | 19.10 | 38.72 | 35.55 | 21.01 |
| 6216 | 16°C | 21°C | 42.13 | 29.74 | 13.63 | 40.75 | 29.06 | 14.56 | 39.29 | 28.32 | 15.63 | 37.76 | 27.54 | 16.86 | 33.96 | 25.11 | 18.23 | 31.50 | 23.74 | 20.06 |
| | | 24°C | 42.40 | 35.45 | 13.65 | 41.02 | 34.73 | 14.58 | 39.57 | 33.98 | 15.66 | 38.01 | 33.18 | 16.89 | 34.18 | 30.40 | 18.26 | 31.72 | 28.94 | 20.08 |
| | | 27°C | 43.00 | 41.31 | 13.70 | 41.80 | 40.64 | 14.65 | 40.57 | 39.84 | 15.76 | 39.25 | 38.94 | 17.01 | 35.58 | 35.40 | 18.42 | 33.36 | 33.36 | 20.30 |
| | | 30°C | 45.49 | 45.49 | 13.91 | 44.29 | 44.29 | 14.88 | 43.02 | 43.02 | 16.00 | 41.66 | 41.66 | 17.27 | 37.81 | 37.81 | 18.69 | 35.51 | 35.51 | 20.58 |
| | 19°C | 24°C | 46.21 | 28.60 | 13.98 | 44.72 | 28.02 | 14.92 | 43.14 | 27.40 | 16.01 | 41.46 | 26.73 | 17.25 | 37.33 | 24.42 | 18.63 | 34.68 | 23.14 | 20.47 |
| | | 27°C | 46.45 | 33.48 | 14.00 | 44.96 | 32.82 | 14.94 | 43.37 | 32.12 | 16.04 | 41.70 | 31.38 | 17.27 | 37.54 | 28.77 | 18.66 | 34.89 | 27.41 | 20.50 |
| | | 30°C | 46.69 | 41.26 | 14.02 | 45.17 | 40.54 | 14.97 | 43.61 | 39.78 | 16.06 | 41.99 | 38.92 | 17.30 | 37.94 | 35.59 | 18.70 | 35.52 | 33.60 | 20.58 |
| | | 33°C | 48.06 | 48.06 | 14.14 | 46.82 | 46.82 | 15.12 | 45.51 | 45.51 | 16.25 | 44.11 | 44.11 | 17.54 | 40.07 | 40.07 | 18.97 | 37.70 | 37.70 | 20.87 |
| | 22°C | 27°C | 50.61 | 26.84 | 14.36 | 48.97 | 26.29 | 15.33 | 47.25 | 25.72 | 16.43 | 45.45 | 25.13 | 17.68 | 40.96 | 23.05 | 19.07 | 38.11 | 21.93 | 20.92 |
| | | 30°C | 50.78 | 33.38 | 14.38 | 49.15 | 32.73 | 15.35 | 47.44 | 32.04 | 16.45 | 45.65 | 31.33 | 17.70 | 41.15 | 28.75 | 19.10 | 38.30 | 27.42 | 20.95 |
| | | 33°C | 51.02 | 39.20 | 14.40 | 49.37 | 38.54 | 15.37 | 47.65 | 37.84 | 16.48 | 45.85 | 37.11 | 17.73 | 41.32 | 34.18 | 19.12 | 38.47 | 32.76 | 20.98 |
| | | 36°C | 51.28 | 44.90 | 14.42 | 49.74 | 44.07 | 15.40 | 48.17 | 43.10 | 16.53 | 46.61 | 41.97 | 17.82 | 42.38 | 38.60 | 19.26 | 39.92 | 36.65 | 21.18 |

## Model: M4RT250A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 7200 | 16°C | 21°C | 66.61 | 50.12 | 22.51 | 64.50 | 49.01 | 24.06 | 62.26 | 47.84 | 25.86 | 59.85 | 46.60 | 27.90 | 53.86 | 42.54 | 30.19 | 50.03 | 40.24 | 33.24 |
| | | 24°C | 66.87 | 59.69 | 22.54 | 64.76 | 58.45 | 24.09 | 62.52 | 57.14 | 25.88 | 60.13 | 55.75 | 27.93 | 54.14 | 51.02 | 30.22 | 50.28 | 48.49 | 33.27 |
| | | 27°C | 67.12 | 67.12 | 22.56 | 65.07 | 65.07 | 24.11 | 62.88 | 62.88 | 25.92 | 60.65 | 60.65 | 27.99 | 54.90 | 54.90 | 30.31 | 51.52 | 51.52 | 33.44 |
| | | 30°C | 69.78 | 69.78 | 22.78 | 68.02 | 68.02 | 24.38 | 66.13 | 66.13 | 26.24 | 64.10 | 64.10 | 28.35 | 58.23 | 58.23 | 30.71 | 54.75 | 54.75 | 33.86 |
| | 19°C | 24°C | 73.18 | 47.34 | 23.08 | 70.91 | 46.32 | 24.65 | 68.47 | 45.22 | 26.47 | 65.89 | 44.07 | 28.53 | 59.36 | 40.28 | 30.84 | 55.18 | 38.23 | 33.91 |
| | | 27°C | 73.37 | 55.31 | 23.09 | 71.09 | 54.18 | 24.67 | 68.66 | 52.98 | 26.49 | 66.09 | 51.71 | 28.56 | 59.57 | 47.36 | 30.87 | 55.42 | 45.06 | 33.94 |
| | | 30°C | 73.65 | 67.49 | 23.12 | 71.33 | 66.27 | 24.70 | 68.88 | 64.98 | 26.52 | 66.29 | 63.63 | 28.59 | 59.77 | 58.50 | 30.90 | 55.64 | 55.64 | 33.98 |
| | | 33°C | 74.08 | 74.08 | 23.15 | 71.97 | 71.97 | 24.75 | 69.87 | 69.87 | 26.62 | 67.77 | 67.77 | 28.74 | 61.63 | 61.63 | 31.13 | 58.04 | 58.04 | 34.30 |
| | 22°C | 27°C | 80.30 | 44.48 | 23.71 | 77.76 | 43.50 | 25.31 | 75.12 | 42.49 | 27.16 | 72.34 | 41.43 | 29.24 | 65.24 | 37.90 | 31.57 | 60.74 | 36.00 | 34.67 |
| | | 30°C | 80.41 | 54.98 | 23.72 | 77.88 | 53.89 | 25.32 | 75.25 | 52.76 | 27.17 | 72.48 | 51.54 | 29.26 | 65.38 | 47.25 | 31.58 | 60.90 | 45.01 | 34.68 |
| | | 33°C | 80.63 | 64.07 | 23.74 | 78.11 | 62.93 | 25.35 | 75.48 | 61.74 | 27.20 | 72.70 | 60.49 | 29.29 | 65.59 | 55.63 | 31.62 | 61.11 | 53.23 | 34.72 |
| | | 36°C | 80.86 | 72.96 | 23.76 | 78.34 | 71.80 | 25.37 | 75.67 | 70.59 | 27.22 | 72.91 | 69.34 | 29.31 | 65.84 | 63.87 | 31.65 | 61.65 | 60.87 | 34.79 |
| 8000 | 16°C | 21°C | 68.01 | 52.13 | 22.63 | 65.83 | 51.02 | 24.18 | 63.49 | 49.80 | 25.98 | 61.01 | 48.45 | 28.02 | 54.90 | 44.19 | 30.31 | 50.95 | 41.76 | 33.36 |
| | | 24°C | 68.37 | 62.15 | 22.67 | 66.19 | 60.88 | 24.22 | 63.86 | 59.54 | 26.02 | 61.38 | 58.11 | 28.06 | 55.24 | 53.22 | 30.35 | 51.25 | 50.60 | 33.40 |
| | | 27°C | 68.84 | 68.84 | 22.70 | 66.80 | 66.80 | 24.27 | 64.71 | 64.71 | 26.10 | 62.62 | 62.62 | 28.19 | 56.79 | 56.79 | 30.54 | 53.27 | 53.27 | 33.66 |
| | | 30°C | 72.41 | 72.41 | 23.01 | 70.55 | 70.55 | 24.62 | 68.54 | 68.54 | 26.48 | 66.41 | 66.41 | 28.60 | 60.30 | 60.30 | 30.96 | 56.66 | 56.66 | 34.11 |
| | 19°C | 24°C | 74.68 | 49.21 | 23.21 | 72.31 | 48.17 | 24.78 | 69.77 | 47.07 | 26.61 | 67.09 | 45.91 | 28.67 | 60.42 | 42.00 | 30.97 | 56.18 | 39.89 | 34.04 |
| | | 27°C | 74.96 | 57.60 | 23.23 | 72.59 | 56.44 | 24.81 | 70.07 | 55.21 | 26.64 | 67.41 | 53.92 | 28.70 | 60.72 | 49.42 | 31.01 | 56.46 | 47.05 | 34.08 |
| | | 30°C | 75.30 | 70.65 | 23.27 | 72.89 | 69.41 | 24.85 | 70.35 | 68.09 | 26.67 | 67.70 | 66.73 | 28.74 | 61.03 | 61.03 | 31.05 | 56.92 | 56.92 | 34.15 |
| | | 33°C | 76.48 | 76.48 | 23.37 | 74.52 | 74.52 | 25.00 | 72.46 | 72.46 | 26.88 | 70.27 | 70.27 | 29.02 | 63.87 | 63.87 | 31.40 | 60.11 | 60.11 | 34.58 |
| | 22°C | 27°C | 81.84 | 46.20 | 23.85 | 79.22 | 45.22 | 25.46 | 76.49 | 44.20 | 27.30 | 73.60 | 43.13 | 29.39 | 66.35 | 39.51 | 31.71 | 61.76 | 37.59 | 34.80 |
| | | 30°C | 82.04 | 57.38 | 23.87 | 79.43 | 56.23 | 25.48 | 76.70 | 55.04 | 27.32 | 73.82 | 53.80 | 29.41 | 66.57 | 49.34 | 31.73 | 62.00 | 47.03 | 34.83 |
| | | 33°C | 82.35 | 67.10 | 23.90 | 79.75 | 65.93 | 25.51 | 77.00 | 64.71 | 27.36 | 74.11 | 63.43 | 29.45 | 66.84 | 58.39 | 31.77 | 62.25 | 55.92 | 34.87 |
| | | 36°C | 82.64 | 76.72 | 23.92 | 80.02 | 75.53 | 25.54 | 77.32 | 74.18 | 27.39 | 74.64 | 72.61 | 29.51 | 67.66 | 67.12 | 31.88 | 63.62 | 63.62 | 35.07 |
| 8800 | 16°C | 21°C | 69.22 | 53.55 | 22.74 | 66.95 | 52.31 | 24.29 | 64.55 | 50.99 | 26.09 | 62.03 | 49.59 | 28.13 | 55.79 | 45.21 | 30.41 | 51.75 | 42.74 | 33.47 |
| | | 24°C | 69.66 | 63.82 | 22.78 | 67.40 | 62.53 | 24.33 | 65.00 | 61.18 | 26.13 | 62.45 | 59.74 | 28.18 | 56.15 | 54.73 | 30.46 | 52.10 | 52.10 | 33.51 |
| | | 27°C | 70.64 | 70.64 | 22.85 | 68.67 | 68.67 | 24.45 | 66.65 | 66.65 | 26.29 | 64.48 | 64.48 | 28.39 | 58.45 | 58.45 | 30.74 | 54.80 | 54.80 | 33.86 |
| | | 30°C | 74.74 | 74.74 | 23.21 | 72.76 | 72.76 | 24.83 | 70.67 | 70.67 | 26.70 | 68.44 | 68.44 | 28.82 | 62.11 | 62.11 | 31.18 | 58.33 | 58.33 | 34.34 |
| | 19°C | 24°C | 75.92 | 51.50 | 23.32 | 73.47 | 50.44 | 24.90 | 70.87 | 49.32 | 26.72 | 68.11 | 48.12 | 28.78 | 61.33 | 43.97 | 31.08 | 56.98 | 41.66 | 34.15 |
| | | 27°C | 76.31 | 60.28 | 23.35 | 73.86 | 59.09 | 24.93 | 71.25 | 57.82 | 26.76 | 68.51 | 56.50 | 28.82 | 61.68 | 51.80 | 31.13 | 57.32 | 49.36 | 34.20 |
| | | 30°C | 76.71 | 74.28 | 23.39 | 74.20 | 72.99 | 24.97 | 71.65 | 71.62 | 26.80 | 68.98 | 68.98 | 28.87 | 62.33 | 62.33 | 31.21 | 58.35 | 58.35 | 34.34 |
| | | 33°C | 78.96 | 78.96 | 23.59 | 76.91 | 76.91 | 25.23 | 74.76 | 74.76 | 27.12 | 72.46 | 72.46 | 29.26 | 65.83 | 65.83 | 31.65 | 61.93 | 61.93 | 34.83 |
| | 22°C | 27°C | 83.14 | 48.33 | 23.97 | 80.45 | 47.34 | 25.58 | 77.63 | 46.30 | 27.42 | 74.67 | 45.25 | 29.50 | 67.30 | 41.50 | 31.83 | 62.61 | 39.49 | 34.92 |
| | | 30°C | 83.42 | 60.10 | 23.99 | 80.74 | 58.92 | 25.61 | 77.94 | 57.69 | 27.45 | 74.99 | 56.40 | 29.54 | 67.60 | 51.75 | 31.86 | 62.92 | 49.37 | 34.96 |
| | | 33°C | 83.82 | 70.58 | 24.03 | 81.11 | 69.38 | 25.64 | 78.29 | 68.13 | 27.50 | 75.32 | 66.82 | 29.59 | 67.88 | 61.53 | 31.91 | 63.20 | 58.97 | 35.01 |
| | | 36°C | 84.24 | 80.84 | 24.07 | 81.71 | 79.34 | 25.70 | 79.14 | 77.59 | 27.59 | 76.58 | 75.57 | 29.73 | 69.62 | 69.49 | 32.13 | 65.59 | 65.59 | 35.34 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: M4RT300A

| AFR (CFM) | EWB | EDB | Outdoor temperature 19°C TC | 19°C SHC | 19°C PI | 25°C TC | 25°C SHC | 25°C PI | 30°C TC | 30°C SHC | 30°C PI | 35°C TC | 35°C SHC | 35°C PI | 40°C TC | 40°C SHC | 40°C PI | 46°C TC | 46°C SHC | 46°C PI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8640 | 16°C | 21°C | 81.96 | 60.12 | 31.50 | 79.36 | 58.80 | 33.67 | 76.60 | 57.39 | 36.18 | 73.64 | 55.90 | 39.04 | 66.27 | 51.03 | 42.24 | 61.56 | 48.28 | 46.51 |
| | | 24°C | 82.28 | 71.61 | 31.53 | 79.68 | 70.12 | 33.70 | 76.93 | 68.55 | 36.22 | 73.99 | 66.88 | 39.08 | 66.62 | 61.21 | 42.29 | 61.87 | 58.17 | 46.56 |
| | | 27°C | 82.58 | 82.43 | 31.57 | 80.06 | 80.06 | 33.74 | 77.37 | 77.37 | 36.27 | 74.63 | 74.63 | 39.16 | 67.55 | 67.55 | 42.42 | 63.40 | 63.40 | 46.79 |
| | | 30°C | 85.86 | 85.86 | 31.88 | 83.69 | 83.69 | 34.12 | 81.36 | 81.36 | 36.72 | 78.87 | 78.87 | 39.67 | 71.65 | 71.65 | 42.97 | 67.37 | 67.37 | 47.38 |
| | 19°C | 24°C | 90.05 | 56.80 | 32.30 | 87.25 | 55.56 | 34.50 | 84.25 | 54.25 | 37.04 | 81.07 | 52.87 | 39.93 | 73.03 | 48.33 | 43.15 | 67.90 | 45.86 | 47.46 |
| | | 27°C | 90.28 | 66.35 | 32.32 | 87.47 | 65.00 | 34.52 | 84.48 | 63.56 | 37.07 | 81.32 | 62.04 | 39.96 | 73.29 | 56.82 | 43.19 | 68.19 | 54.05 | 47.50 |
| | | 30°C | 90.63 | 80.97 | 32.35 | 87.77 | 79.50 | 34.56 | 84.76 | 77.96 | 37.11 | 81.56 | 76.34 | 40.01 | 73.54 | 70.18 | 43.24 | 68.46 | 67.10 | 47.54 |
| | | 33°C | 91.15 | 91.15 | 32.40 | 88.55 | 88.55 | 34.64 | 85.97 | 85.97 | 37.25 | 83.39 | 83.39 | 40.22 | 75.83 | 75.83 | 43.55 | 71.42 | 71.42 | 48.00 |
| | 22°C | 27°C | 98.80 | 53.36 | 33.17 | 95.68 | 52.18 | 35.42 | 92.43 | 50.97 | 38.00 | 89.00 | 49.70 | 40.92 | 80.28 | 45.47 | 44.17 | 74.74 | 43.19 | 48.51 |
| | | 30°C | 98.94 | 65.96 | 33.19 | 95.82 | 64.65 | 35.44 | 92.60 | 63.29 | 38.02 | 89.18 | 61.83 | 40.94 | 80.44 | 56.68 | 44.20 | 74.94 | 54.00 | 48.53 |
| | | 33°C | 99.21 | 76.86 | 33.22 | 96.11 | 75.49 | 35.47 | 92.87 | 74.06 | 38.06 | 89.45 | 72.56 | 40.98 | 80.70 | 66.74 | 44.24 | 75.20 | 63.86 | 48.58 |
| | | 36°C | 99.50 | 87.52 | 33.25 | 96.40 | 86.14 | 35.50 | 93.11 | 84.68 | 38.09 | 89.71 | 83.18 | 41.02 | 81.02 | 76.63 | 44.28 | 75.85 | 73.03 | 48.68 |
| 9600 | 16°C | 21°C | 83.69 | 62.54 | 31.67 | 81.00 | 61.21 | 33.84 | 78.11 | 59.75 | 36.35 | 75.06 | 58.12 | 39.21 | 67.55 | 53.01 | 42.41 | 62.70 | 50.10 | 46.68 |
| | | 24°C | 84.12 | 74.55 | 31.72 | 81.44 | 73.04 | 33.89 | 78.58 | 71.43 | 36.40 | 75.52 | 69.72 | 39.27 | 67.97 | 63.85 | 42.47 | 63.06 | 60.71 | 46.74 |
| | | 27°C | 84.70 | 84.70 | 31.77 | 82.19 | 82.19 | 33.96 | 79.62 | 79.62 | 36.52 | 77.05 | 77.05 | 39.45 | 69.88 | 69.88 | 42.73 | 65.55 | 65.55 | 47.11 |
| | | 30°C | 89.10 | 89.10 | 32.20 | 86.80 | 86.80 | 34.45 | 84.34 | 84.34 | 37.06 | 81.72 | 81.72 | 40.01 | 74.19 | 74.19 | 43.32 | 69.72 | 69.72 | 47.74 |
| | 19°C | 24°C | 91.88 | 59.04 | 32.48 | 88.98 | 57.79 | 34.68 | 85.85 | 56.47 | 37.23 | 82.55 | 55.07 | 40.11 | 74.34 | 50.39 | 43.34 | 69.12 | 47.86 | 47.63 |
| | | 27°C | 92.23 | 69.10 | 32.51 | 89.32 | 67.71 | 34.72 | 86.22 | 66.24 | 37.27 | 82.94 | 64.69 | 40.16 | 74.71 | 59.28 | 43.39 | 69.48 | 56.45 | 47.69 |
| | | 30°C | 92.65 | 84.76 | 32.56 | 89.69 | 83.26 | 34.77 | 86.56 | 81.69 | 37.32 | 83.30 | 80.06 | 40.21 | 75.10 | 73.58 | 43.45 | 70.04 | 69.99 | 47.79 |
| | | 33°C | 94.10 | 94.10 | 32.70 | 91.70 | 91.70 | 34.98 | 89.16 | 89.16 | 37.62 | 86.46 | 86.46 | 40.60 | 78.59 | 78.59 | 43.94 | 73.97 | 73.97 | 48.39 |
| | 22°C | 27°C | 100.70 | 55.42 | 33.37 | 97.48 | 54.25 | 35.62 | 94.11 | 53.03 | 38.20 | 90.56 | 51.75 | 41.12 | 81.64 | 47.40 | 44.37 | 75.99 | 45.10 | 48.70 |
| | | 30°C | 100.94 | 68.83 | 33.39 | 97.73 | 67.46 | 35.65 | 94.38 | 66.03 | 38.23 | 90.83 | 64.54 | 41.15 | 81.91 | 59.19 | 44.41 | 76.28 | 56.42 | 48.74 |
| | | 33°C | 101.33 | 80.50 | 33.44 | 98.12 | 79.10 | 35.69 | 94.74 | 77.63 | 38.28 | 91.19 | 76.10 | 41.21 | 82.24 | 70.04 | 44.46 | 76.59 | 67.08 | 48.80 |
| | | 36°C | 101.69 | 92.03 | 33.48 | 98.46 | 90.61 | 35.74 | 95.14 | 89.00 | 38.33 | 91.84 | 87.11 | 41.29 | 83.25 | 80.53 | 44.61 | 78.28 | 76.78 | 49.07 |
| 10560 | 16°C | 21°C | 85.17 | 64.25 | 31.81 | 82.38 | 62.76 | 33.99 | 79.43 | 61.17 | 36.50 | 76.32 | 59.49 | 39.36 | 68.64 | 54.24 | 42.56 | 63.67 | 51.27 | 46.83 |
| | | 24°C | 85.72 | 76.56 | 31.87 | 82.93 | 75.02 | 34.04 | 79.98 | 73.40 | 36.56 | 76.84 | 71.67 | 39.43 | 69.09 | 65.66 | 42.63 | 64.11 | 62.50 | 46.89 |
| | | 27°C | 86.92 | 86.92 | 31.98 | 84.50 | 84.50 | 34.21 | 82.01 | 82.01 | 36.79 | 79.34 | 79.34 | 39.72 | 71.92 | 71.92 | 43.01 | 67.43 | 67.43 | 47.39 |
| | | 30°C | 91.96 | 91.96 | 32.48 | 89.53 | 89.53 | 34.75 | 86.95 | 86.95 | 37.36 | 84.21 | 84.21 | 40.32 | 76.42 | 76.42 | 43.63 | 71.77 | 71.77 | 48.05 |
| | 19°C | 24°C | 93.42 | 61.78 | 32.63 | 90.41 | 60.52 | 34.84 | 87.20 | 59.17 | 37.39 | 83.81 | 57.73 | 40.27 | 75.46 | 52.75 | 43.49 | 70.11 | 49.98 | 47.79 |
| | | 27°C | 93.89 | 72.32 | 32.68 | 90.88 | 70.89 | 34.89 | 87.66 | 69.36 | 37.44 | 84.29 | 67.78 | 40.33 | 75.89 | 62.14 | 43.56 | 70.53 | 59.21 | 47.86 |
| | | 30°C | 94.38 | 89.12 | 32.73 | 91.30 | 87.56 | 34.95 | 88.16 | 85.92 | 37.50 | 84.87 | 84.07 | 40.40 | 76.69 | 76.69 | 43.67 | 71.79 | 71.79 | 48.06 |
| | | 33°C | 97.15 | 97.15 | 33.01 | 94.64 | 94.64 | 35.30 | 91.99 | 91.99 | 37.95 | 89.16 | 89.16 | 40.94 | 81.01 | 81.01 | 44.29 | 76.20 | 76.20 | 48.74 |
| | 22°C | 27°C | 102.30 | 57.97 | 33.53 | 98.99 | 56.79 | 35.79 | 95.51 | 55.55 | 38.37 | 91.88 | 54.29 | 41.29 | 82.80 | 49.78 | 44.53 | 77.04 | 47.37 | 48.86 |
| | | 30°C | 102.64 | 72.10 | 33.57 | 99.35 | 70.68 | 35.83 | 95.90 | 69.21 | 38.42 | 92.28 | 67.66 | 41.34 | 83.17 | 62.09 | 44.59 | 77.42 | 59.23 | 48.92 |
| | | 33°C | 103.13 | 84.68 | 33.62 | 99.81 | 83.23 | 35.88 | 96.33 | 81.73 | 38.47 | 92.68 | 80.16 | 41.40 | 83.53 | 73.82 | 44.65 | 77.76 | 70.75 | 48.98 |
| | | 36°C | 103.65 | 96.98 | 33.68 | 100.54 | 95.18 | 35.96 | 97.38 | 93.09 | 38.60 | 94.23 | 90.66 | 41.60 | 85.66 | 83.36 | 44.96 | 80.70 | 79.16 | 49.45 |

## Model: M4RT360A

| AFR (CFM) | EWB | EDB | Outdoor temperature 19°C TC | 19°C SHC | 19°C PI | 25°C TC | 25°C SHC | 25°C PI | 30°C TC | 30°C SHC | 30°C PI | 35°C TC | 35°C SHC | 35°C PI | 40°C TC | 40°C SHC | 40°C PI | 46°C TC | 46°C SHC | 46°C PI |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9900 | 16°C | 21°C | 95.86 | 73.93 | 32.84 | 92.83 | 72.30 | 35.10 | 89.60 | 70.57 | 37.72 | 86.13 | 68.73 | 40.70 | 77.51 | 62.75 | 44.04 | 72.00 | 59.36 | 48.49 |
| | | 24°C | 96.23 | 88.06 | 32.88 | 93.20 | 86.22 | 35.14 | 89.97 | 84.29 | 37.76 | 86.54 | 82.24 | 40.75 | 77.92 | 75.27 | 44.09 | 72.37 | 71.52 | 48.54 |
| | | 27°C | 96.59 | 96.59 | 32.92 | 93.64 | 93.64 | 35.18 | 90.50 | 90.50 | 37.81 | 87.29 | 87.29 | 40.83 | 79.01 | 79.01 | 44.22 | 74.15 | 74.15 | 48.78 |
| | | 30°C | 100.42 | 100.42 | 33.24 | 97.89 | 97.89 | 35.57 | 95.16 | 95.16 | 38.28 | 92.25 | 92.25 | 41.36 | 83.80 | 83.80 | 44.80 | 78.80 | 78.80 | 49.40 |
| | 19°C | 24°C | 105.32 | 69.84 | 33.67 | 102.05 | 68.32 | 35.97 | 98.54 | 66.71 | 38.62 | 94.82 | 65.01 | 41.63 | 85.42 | 59.42 | 44.99 | 79.42 | 56.39 | 49.48 |
| | | 27°C | 105.59 | 81.58 | 33.69 | 102.30 | 79.92 | 35.99 | 98.81 | 78.15 | 38.65 | 95.11 | 76.28 | 41.66 | 85.73 | 69.87 | 45.03 | 79.76 | 66.46 | 49.52 |
| | | 30°C | 106.00 | 99.56 | 33.73 | 102.66 | 97.76 | 36.03 | 99.13 | 95.86 | 38.69 | 95.40 | 93.87 | 41.71 | 86.02 | 86.02 | 45.08 | 80.08 | 80.08 | 49.57 |
| | | 33°C | 106.62 | 106.62 | 33.78 | 103.57 | 103.57 | 36.11 | 100.55 | 100.55 | 38.83 | 97.53 | 97.53 | 41.93 | 88.69 | 88.69 | 45.41 | 83.53 | 83.53 | 50.04 |
| | 22°C | 27°C | 115.56 | 65.61 | 34.59 | 111.90 | 64.17 | 36.93 | 108.10 | 62.67 | 39.62 | 104.10 | 61.11 | 42.66 | 93.89 | 55.91 | 46.06 | 87.41 | 53.11 | 50.57 |
| | | 30°C | 115.72 | 81.11 | 34.60 | 112.08 | 79.50 | 36.95 | 108.30 | 77.82 | 39.64 | 104.30 | 76.02 | 42.68 | 94.09 | 69.69 | 46.08 | 87.65 | 66.40 | 50.60 |
| | | 33°C | 116.04 | 94.51 | 34.63 | 112.42 | 92.82 | 36.98 | 108.62 | 91.07 | 39.68 | 104.62 | 89.23 | 42.73 | 94.39 | 82.07 | 46.12 | 87.95 | 78.52 | 50.65 |
| | | 36°C | 116.37 | 107.62 | 34.66 | 112.75 | 105.92 | 37.01 | 108.90 | 104.13 | 39.72 | 104.93 | 102.28 | 42.76 | 94.76 | 94.22 | 46.17 | 88.72 | 88.72 | 50.75 |
| 11000 | 16°C | 21°C | 97.88 | 76.90 | 33.02 | 94.74 | 75.26 | 35.28 | 91.36 | 73.46 | 37.90 | 87.80 | 71.47 | 40.88 | 79.01 | 65.18 | 44.22 | 73.33 | 61.60 | 48.67 |
| | | 24°C | 98.39 | 91.67 | 33.07 | 95.25 | 89.81 | 35.33 | 91.91 | 87.83 | 37.95 | 88.33 | 85.72 | 40.94 | 79.50 | 78.51 | 44.28 | 73.76 | 73.76 | 48.73 |
| | | 27°C | 99.07 | 99.07 | 33.12 | 96.13 | 96.13 | 35.41 | 93.13 | 93.13 | 38.08 | 90.12 | 90.12 | 41.13 | 81.73 | 81.73 | 44.55 | 76.67 | 76.67 | 49.11 |
| | | 30°C | 104.21 | 104.21 | 33.57 | 101.53 | 101.53 | 35.92 | 98.65 | 98.65 | 38.63 | 95.58 | 95.58 | 41.72 | 86.77 | 86.77 | 45.17 | 81.54 | 81.54 | 49.77 |
| | 19°C | 24°C | 107.47 | 72.59 | 33.86 | 104.07 | 71.06 | 36.16 | 100.41 | 69.43 | 38.82 | 96.56 | 67.72 | 41.82 | 86.95 | 61.96 | 45.19 | 80.85 | 58.85 | 49.66 |
| | | 27°C | 107.88 | 84.97 | 33.90 | 104.47 | 83.26 | 36.20 | 100.84 | 81.45 | 38.86 | 97.01 | 79.55 | 41.87 | 87.38 | 72.89 | 45.24 | 81.26 | 69.41 | 49.72 |
| | | 30°C | 108.37 | 104.22 | 33.94 | 104.90 | 102.38 | 36.25 | 101.24 | 100.44 | 38.91 | 97.43 | 97.43 | 41.92 | 87.84 | 87.84 | 45.30 | 81.91 | 81.91 | 49.82 |
| | | 33°C | 110.06 | 110.06 | 34.09 | 107.25 | 107.25 | 36.47 | 104.28 | 104.28 | 39.22 | 101.13 | 101.13 | 42.33 | 91.92 | 91.92 | 45.81 | 86.51 | 86.51 | 50.45 |
| | 22°C | 27°C | 117.78 | 68.15 | 34.79 | 114.01 | 66.70 | 37.14 | 110.08 | 65.20 | 39.83 | 105.92 | 63.63 | 42.87 | 95.49 | 58.28 | 46.26 | 88.88 | 55.45 | 50.77 |
| | | 30°C | 118.07 | 84.64 | 34.82 | 114.31 | 82.95 | 37.17 | 110.38 | 81.20 | 39.86 | 106.24 | 79.35 | 42.91 | 95.80 | 72.78 | 46.30 | 89.22 | 69.38 | 50.81 |
| | | 33°C | 118.52 | 98.98 | 34.86 | 114.77 | 97.26 | 37.21 | 110.81 | 95.46 | 39.91 | 106.65 | 93.57 | 42.96 | 96.19 | 86.13 | 46.35 | 89.58 | 82.48 | 50.87 |
| | | 36°C | 118.93 | 113.17 | 34.90 | 115.16 | 111.42 | 37.26 | 111.27 | 109.43 | 39.97 | 107.42 | 107.11 | 43.04 | 97.37 | 97.37 | 46.50 | 91.55 | 91.55 | 51.16 |
| 12100 | 16°C | 21°C | 99.61 | 79.00 | 33.17 | 96.35 | 77.17 | 35.43 | 92.90 | 75.22 | 38.06 | 89.27 | 73.15 | 41.04 | 80.29 | 66.70 | 44.37 | 74.47 | 63.04 | 48.83 |
| | | 24°C | 100.26 | 94.14 | 33.23 | 96.99 | 92.24 | 35.49 | 93.55 | 90.25 | 38.12 | 89.87 | 88.13 | 41.10 | 80.81 | 80.73 | 44.44 | 74.98 | 74.98 | 48.89 |
| | | 27°C | 101.66 | 101.66 | 33.34 | 98.83 | 98.83 | 35.66 | 95.92 | 95.92 | 38.36 | 92.80 | 92.80 | 41.42 | 84.12 | 84.12 | 44.84 | 78.87 | 78.87 | 49.40 |
| | | 30°C | 107.56 | 107.56 | 33.87 | 104.71 | 104.71 | 36.23 | 101.70 | 101.70 | 38.95 | 98.49 | 98.49 | 42.04 | 89.38 | 89.38 | 45.49 | 83.95 | 83.95 | 50.09 |
| | 19°C | 24°C | 109.26 | 75.97 | 34.02 | 105.74 | 74.41 | 36.32 | 101.99 | 72.76 | 38.98 | 98.03 | 70.98 | 41.99 | 88.26 | 64.86 | 45.34 | 82.00 | 61.46 | 49.82 |
| | | 27°C | 109.82 | 88.92 | 34.07 | 106.30 | 87.17 | 36.38 | 102.53 | 85.29 | 39.04 | 98.59 | 83.34 | 42.05 | 88.77 | 76.41 | 45.41 | 82.49 | 72.81 | 49.89 |
| | | 30°C | 110.39 | 109.58 | 34.12 | 106.79 | 106.79 | 36.44 | 103.12 | 103.12 | 39.10 | 99.27 | 99.27 | 42.12 | 89.70 | 89.70 | 45.53 | 83.97 | 83.97 | 50.10 |
| | | 33°C | 113.63 | 113.63 | 34.41 | 110.69 | 110.69 | 36.81 | 107.59 | 107.59 | 39.57 | 104.29 | 104.29 | 42.69 | 94.75 | 94.75 | 46.17 | 89.13 | 89.13 | 50.81 |
| | 22°C | 27°C | 119.66 | 71.29 | 34.96 | 115.78 | 69.83 | 37.31 | 111.71 | 68.30 | 40.00 | 107.47 | 66.75 | 43.04 | 96.85 | 61.21 | 46.43 | 90.10 | 58.25 | 50.94 |
| | | 30°C | 120.05 | 88.66 | 35.00 | 116.20 | 86.91 | 37.36 | 112.17 | 85.10 | 40.05 | 107.93 | 83.20 | 43.10 | 97.28 | 76.34 | 46.49 | 90.55 | 72.83 | 51.00 |
| | | 33°C | 120.63 | 104.12 | 35.06 | 116.74 | 102.34 | 37.41 | 112.67 | 100.50 | 40.11 | 108.40 | 98.57 | 43.16 | 97.70 | 90.76 | 46.55 | 90.95 | 86.99 | 51.07 |
| | | 36°C | 121.23 | 119.24 | 35.11 | 117.60 | 117.04 | 37.49 | 113.90 | 113.90 | 40.24 | 110.21 | 110.21 | 43.37 | 100.19 | 100.19 | 46.87 | 94.39 | 94.39 | 51.56 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (grey shading) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: M4RT420A

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 11250 | 16°C | 21°C | 120.19 | 94.95 | 38.28 | 116.38 | 92.85 | 40.91 | 112.33 | 90.64 | 43.96 | 107.99 | 88.28 | 47.44 | 97.18 | 80.59 | 51.33 | 90.27 | 76.24 | 56.52 |
| | | 24°C | 120.65 | 113.10 | 38.32 | 116.85 | 110.74 | 40.95 | 112.81 | 108.26 | 44.01 | 108.50 | 105.62 | 47.49 | 97.69 | 96.67 | 51.38 | 90.73 | 90.73 | 56.58 |
| | | 27°C | 121.10 | 121.10 | 38.36 | 117.41 | 117.41 | 41.00 | 113.46 | 113.46 | 44.07 | 109.44 | 109.44 | 47.59 | 99.06 | 99.06 | 51.54 | 92.97 | 92.97 | 56.85 |
| | | 30°C | 125.90 | 125.90 | 38.74 | 122.73 | 122.73 | 41.46 | 119.31 | 119.31 | 44.62 | 115.66 | 115.66 | 48.20 | 105.07 | 105.07 | 52.22 | 98.79 | 98.79 | 57.57 |
| | 19°C | 24°C | 132.05 | 89.70 | 39.24 | 127.95 | 87.75 | 41.92 | 123.55 | 85.68 | 45.01 | 118.88 | 83.49 | 48.52 | 107.10 | 76.32 | 52.44 | 99.57 | 72.43 | 57.67 |
| | | 27°C | 132.39 | 104.78 | 39.27 | 128.26 | 102.64 | 41.95 | 123.89 | 100.37 | 45.05 | 119.25 | 97.98 | 48.56 | 107.48 | 89.73 | 52.48 | 100.00 | 85.36 | 57.71 |
| | | 30°C | 132.90 | 127.87 | 39.31 | 128.71 | 125.55 | 42.00 | 124.29 | 123.12 | 45.10 | 119.61 | 119.61 | 48.61 | 107.85 | 107.85 | 52.54 | 100.40 | 100.40 | 57.77 |
| | | 33°C | 133.67 | 133.67 | 39.37 | 129.86 | 129.86 | 42.09 | 126.07 | 126.07 | 45.26 | 122.28 | 122.28 | 48.87 | 111.20 | 111.20 | 52.92 | 104.73 | 104.73 | 58.32 |
| | 22°C | 27°C | 144.88 | 84.27 | 40.31 | 140.30 | 82.41 | 43.04 | 135.54 | 80.49 | 46.18 | 130.52 | 78.49 | 49.72 | 117.72 | 71.81 | 53.68 | 109.60 | 68.21 | 58.94 |
| | | 30°C | 145.09 | 104.17 | 40.33 | 140.52 | 102.10 | 43.06 | 135.79 | 99.95 | 46.20 | 130.77 | 97.64 | 49.75 | 117.96 | 89.51 | 53.70 | 109.89 | 85.27 | 58.97 |
| | | 33°C | 145.49 | 121.39 | 40.36 | 140.95 | 119.22 | 43.10 | 136.19 | 116.96 | 46.25 | 131.17 | 114.60 | 49.80 | 118.34 | 105.40 | 53.76 | 110.27 | 100.84 | 59.03 |
| | | 36°C | 145.90 | 138.22 | 40.40 | 141.36 | 136.04 | 43.14 | 136.54 | 133.73 | 46.29 | 131.55 | 131.37 | 49.84 | 118.81 | 118.81 | 53.81 | 111.24 | 111.24 | 59.16 |
| 12500 | 16°C | 21°C | 122.72 | 98.77 | 38.49 | 118.79 | 96.66 | 41.12 | 114.55 | 94.35 | 44.17 | 110.08 | 91.79 | 47.65 | 99.06 | 83.71 | 51.54 | 91.94 | 79.12 | 56.72 |
| | | 24°C | 123.36 | 117.74 | 38.54 | 119.43 | 115.34 | 41.18 | 115.23 | 112.80 | 44.23 | 110.75 | 110.10 | 47.72 | 99.67 | 99.67 | 51.61 | 92.47 | 92.47 | 56.80 |
| | | 27°C | 124.21 | 124.21 | 38.60 | 120.53 | 120.53 | 41.27 | 116.76 | 116.76 | 44.38 | 112.99 | 112.99 | 47.94 | 102.47 | 102.47 | 51.92 | 96.13 | 96.13 | 57.24 |
| | | 30°C | 130.65 | 130.65 | 39.13 | 127.29 | 127.29 | 41.86 | 123.68 | 123.68 | 45.03 | 119.83 | 119.83 | 48.62 | 108.80 | 108.80 | 52.64 | 102.24 | 102.24 | 58.00 |
| | 19°C | 24°C | 134.74 | 93.23 | 39.46 | 130.48 | 91.27 | 42.14 | 125.90 | 89.17 | 45.24 | 121.06 | 86.98 | 48.74 | 109.01 | 79.58 | 52.67 | 101.36 | 75.58 | 57.88 |
| | | 27°C | 135.25 | 109.13 | 39.51 | 130.98 | 106.94 | 42.19 | 126.43 | 104.61 | 45.29 | 121.62 | 102.16 | 48.80 | 109.56 | 93.62 | 52.72 | 101.88 | 89.15 | 57.95 |
| | | 30°C | 135.87 | 133.86 | 39.56 | 131.53 | 131.49 | 42.25 | 126.93 | 126.93 | 45.35 | 122.16 | 122.16 | 48.86 | 110.12 | 110.12 | 52.79 | 102.70 | 102.70 | 58.07 |
| | | 33°C | 137.99 | 137.99 | 39.73 | 134.47 | 134.47 | 42.51 | 130.74 | 130.74 | 45.71 | 126.79 | 126.79 | 49.34 | 115.24 | 115.24 | 53.39 | 108.47 | 108.47 | 58.80 |
| | 22°C | 27°C | 147.67 | 87.53 | 40.55 | 142.94 | 85.67 | 43.28 | 138.01 | 83.74 | 46.42 | 132.80 | 81.72 | 49.97 | 119.72 | 74.85 | 53.91 | 111.44 | 71.22 | 59.17 |
| | | 30°C | 148.03 | 108.70 | 40.58 | 143.31 | 106.53 | 43.32 | 138.40 | 104.28 | 46.46 | 133.20 | 101.92 | 50.01 | 120.11 | 93.48 | 53.96 | 111.87 | 89.11 | 59.22 |
| | | 33°C | 148.60 | 127.12 | 40.63 | 143.89 | 124.92 | 43.37 | 138.93 | 122.60 | 46.52 | 133.72 | 120.18 | 50.07 | 120.59 | 110.62 | 54.03 | 112.32 | 105.94 | 59.29 |
| | | 36°C | 149.11 | 145.34 | 40.68 | 144.38 | 143.10 | 43.42 | 139.51 | 139.51 | 46.58 | 134.68 | 134.68 | 50.17 | 122.08 | 122.08 | 54.20 | 114.79 | 114.79 | 59.62 |
| 13750 | 16°C | 21°C | 124.89 | 101.46 | 38.66 | 120.80 | 99.11 | 41.30 | 116.48 | 96.60 | 44.36 | 111.92 | 93.95 | 47.83 | 100.66 | 85.66 | 51.71 | 93.37 | 80.97 | 56.91 |
| | | 24°C | 125.70 | 120.91 | 38.73 | 121.61 | 118.47 | 41.37 | 117.28 | 115.91 | 44.43 | 112.68 | 112.68 | 47.91 | 101.32 | 101.32 | 51.80 | 94.01 | 94.01 | 56.98 |
| | | 27°C | 127.46 | 127.46 | 38.86 | 123.91 | 123.91 | 41.57 | 120.26 | 120.26 | 44.70 | 116.35 | 116.35 | 48.27 | 105.47 | 105.47 | 52.26 | 98.88 | 98.88 | 57.58 |
| | | 30°C | 134.85 | 134.85 | 39.47 | 131.29 | 131.29 | 42.22 | 127.51 | 127.51 | 45.40 | 123.49 | 123.49 | 49.00 | 112.06 | 112.06 | 53.02 | 105.25 | 105.25 | 58.39 |
| | 19°C | 24°C | 136.99 | 97.57 | 39.65 | 132.57 | 95.57 | 42.33 | 127.87 | 93.45 | 45.43 | 122.90 | 91.17 | 48.94 | 110.65 | 83.31 | 52.84 | 102.81 | 78.94 | 58.07 |
| | | 27°C | 137.68 | 114.21 | 39.71 | 133.28 | 111.95 | 42.40 | 128.55 | 109.54 | 45.50 | 123.61 | 107.03 | 49.01 | 111.29 | 98.14 | 52.93 | 103.42 | 93.51 | 58.15 |
| | | 30°C | 138.40 | 138.40 | 39.77 | 133.89 | 133.89 | 42.47 | 129.28 | 129.28 | 45.57 | 124.46 | 124.46 | 49.10 | 112.46 | 112.46 | 53.07 | 105.28 | 105.28 | 58.39 |
| | | 33°C | 142.47 | 142.47 | 40.11 | 138.78 | 138.78 | 42.90 | 134.89 | 134.89 | 46.12 | 130.75 | 130.75 | 49.75 | 118.79 | 118.79 | 53.81 | 111.75 | 111.75 | 59.22 |
| | 22°C | 27°C | 150.02 | 91.56 | 40.75 | 145.17 | 89.68 | 43.49 | 140.06 | 87.72 | 46.62 | 134.74 | 85.73 | 50.17 | 121.43 | 78.62 | 54.11 | 112.97 | 74.81 | 59.37 |
| | | 30°C | 150.52 | 113.87 | 40.80 | 145.68 | 111.63 | 43.54 | 140.63 | 109.29 | 46.68 | 135.32 | 106.85 | 50.23 | 121.97 | 98.05 | 54.18 | 113.53 | 93.54 | 59.44 |
| | | 33°C | 151.24 | 133.72 | 40.86 | 146.36 | 131.44 | 43.60 | 141.26 | 129.07 | 46.75 | 135.91 | 126.59 | 50.31 | 122.49 | 116.57 | 54.26 | 114.03 | 111.73 | 59.52 |
| | | 36°C | 151.99 | 151.99 | 40.92 | 147.44 | 147.44 | 43.70 | 142.80 | 142.80 | 46.90 | 138.18 | 138.18 | 50.55 | 125.61 | 125.61 | 54.63 | 118.34 | 118.34 | 60.09 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

# R407C Model

## (HEAT PUMP)

## Cooling Mode

### Model: M4RT060AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 1620 | 16°C | 21°C | 16.51 | 10.87 | 5.38 | 15.99 | 10.63 | 5.75 | 15.43 | 10.37 | 6.18 | 14.83 | 10.10 | 6.67 | 13.35 | 9.22 | 7.22 | 12.40 | 8.73 | 7.94 |
| | | 24°C | 16.57 | 12.94 | 5.39 | 16.05 | 12.68 | 5.76 | 15.49 | 12.39 | 6.19 | 14.90 | 12.09 | 6.68 | 13.42 | 11.06 | 7.22 | 12.46 | 10.51 | 7.95 |
| | | 27°C | 16.63 | 14.90 | 5.39 | 16.13 | 14.62 | 5.76 | 15.58 | 14.32 | 6.19 | 15.03 | 13.95 | 6.69 | 13.61 | 12.70 | 7.25 | 12.77 | 11.93 | 7.99 |
| | | 30°C | 17.29 | 17.29 | 5.45 | 16.86 | 16.86 | 5.83 | 16.39 | 16.39 | 6.27 | 15.89 | 15.89 | 6.78 | 14.43 | 14.43 | 7.34 | 13.57 | 13.57 | 8.09 |
| | 19°C | 24°C | 18.14 | 10.27 | 5.52 | 17.57 | 10.04 | 5.89 | 16.97 | 9.81 | 6.33 | 16.33 | 9.56 | 6.82 | 14.71 | 8.74 | 7.37 | 13.68 | 8.29 | 8.11 |
| | | 27°C | 18.18 | 11.99 | 5.52 | 17.62 | 11.75 | 5.90 | 17.02 | 11.49 | 6.33 | 16.38 | 11.21 | 6.83 | 14.76 | 10.27 | 7.38 | 13.73 | 9.77 | 8.11 |
| | | 30°C | 18.25 | 14.64 | 5.53 | 17.68 | 14.37 | 5.90 | 17.07 | 14.09 | 6.34 | 16.43 | 13.80 | 6.83 | 14.81 | 12.69 | 7.39 | 13.79 | 12.13 | 8.12 |
| | | 33°C | 18.36 | 18.36 | 5.53 | 17.84 | 17.84 | 5.92 | 17.32 | 17.32 | 6.36 | 16.80 | 16.80 | 6.87 | 15.27 | 15.27 | 7.44 | 14.38 | 14.38 | 8.20 |
| | 22°C | 27°C | 19.90 | 9.65 | 5.67 | 19.27 | 9.43 | 6.05 | 18.62 | 9.21 | 6.49 | 17.93 | 8.98 | 6.99 | 16.17 | 8.22 | 7.55 | 15.05 | 7.81 | 8.29 |
| | | 30°C | 19.93 | 11.92 | 5.67 | 19.30 | 11.69 | 6.05 | 18.65 | 11.44 | 6.49 | 17.96 | 11.18 | 6.99 | 16.20 | 10.25 | 7.55 | 15.09 | 9.76 | 8.29 |
| | | 33°C | 19.98 | 13.89 | 5.67 | 19.36 | 13.65 | 6.06 | 18.71 | 13.39 | 6.50 | 18.02 | 13.12 | 7.00 | 16.25 | 12.06 | 7.56 | 15.15 | 11.54 | 8.30 |
| | | 36°C | 20.04 | 15.82 | 5.68 | 19.42 | 15.57 | 6.06 | 18.75 | 15.31 | 6.51 | 18.07 | 15.04 | 7.01 | 16.32 | 13.85 | 7.56 | 15.28 | 13.20 | 8.32 |
| 1800 | 16°C | 21°C | 16.86 | 11.30 | 5.41 | 16.32 | 11.06 | 5.78 | 15.73 | 10.80 | 6.21 | 15.12 | 10.51 | 6.70 | 13.61 | 9.58 | 7.24 | 12.63 | 9.06 | 7.97 |
| | | 24°C | 16.94 | 13.48 | 5.42 | 16.40 | 13.20 | 5.79 | 15.83 | 12.91 | 6.22 | 15.21 | 12.60 | 6.71 | 13.69 | 11.54 | 7.25 | 12.70 | 10.97 | 7.98 |
| | | 27°C | 17.06 | 15.62 | 5.43 | 16.55 | 15.29 | 5.80 | 16.04 | 14.89 | 6.24 | 15.52 | 14.43 | 6.74 | 14.07 | 13.15 | 7.30 | 13.20 | 12.37 | 8.05 |
| | | 30°C | 17.95 | 17.95 | 5.50 | 17.48 | 17.48 | 5.88 | 16.99 | 16.99 | 6.33 | 16.46 | 16.46 | 6.84 | 14.94 | 14.94 | 7.40 | 14.04 | 14.04 | 8.15 |
| | 19°C | 24°C | 18.51 | 10.67 | 5.55 | 17.92 | 10.45 | 5.92 | 17.29 | 10.21 | 6.36 | 16.63 | 9.96 | 6.85 | 14.97 | 9.11 | 7.40 | 13.92 | 8.65 | 8.14 |
| | | 27°C | 18.58 | 12.49 | 5.55 | 17.99 | 12.24 | 5.93 | 17.36 | 11.97 | 6.37 | 16.71 | 11.69 | 6.86 | 15.05 | 10.72 | 7.41 | 13.99 | 10.20 | 8.15 |
| | | 30°C | 18.66 | 15.32 | 5.56 | 18.06 | 15.05 | 5.94 | 17.43 | 14.77 | 6.38 | 16.78 | 14.47 | 6.87 | 15.13 | 13.30 | 7.42 | 14.11 | 12.65 | 8.16 |
| | | 33°C | 18.95 | 18.95 | 5.58 | 18.47 | 18.47 | 5.98 | 17.96 | 17.96 | 6.43 | 17.41 | 17.41 | 6.94 | 15.83 | 15.83 | 7.51 | 14.90 | 14.90 | 8.27 |
| | 22°C | 27°C | 20.28 | 10.02 | 5.70 | 19.63 | 9.81 | 6.08 | 18.96 | 9.58 | 6.53 | 18.24 | 9.35 | 7.02 | 16.44 | 8.57 | 7.58 | 15.31 | 8.15 | 8.32 |
| | | 30°C | 20.33 | 12.44 | 5.70 | 19.68 | 12.19 | 6.09 | 19.01 | 11.94 | 6.53 | 18.29 | 11.67 | 7.03 | 16.50 | 10.70 | 7.59 | 15.36 | 10.20 | 8.33 |
| | | 33°C | 20.41 | 14.55 | 5.71 | 19.76 | 14.30 | 6.10 | 19.08 | 14.03 | 6.54 | 18.37 | 13.76 | 7.04 | 16.56 | 12.66 | 7.59 | 15.43 | 12.13 | 8.34 |
| | | 36°C | 20.48 | 16.64 | 5.72 | 19.83 | 16.38 | 6.10 | 19.16 | 16.09 | 6.55 | 18.50 | 15.75 | 7.05 | 16.77 | 14.56 | 7.62 | 15.77 | 13.88 | 8.38 |
| 1980 | 16°C | 21°C | 17.15 | 11.61 | 5.43 | 16.59 | 11.34 | 5.81 | 16.00 | 11.06 | 6.24 | 15.37 | 10.75 | 6.72 | 13.83 | 9.80 | 7.27 | 12.82 | 9.27 | 8.00 |
| | | 24°C | 17.26 | 13.84 | 5.44 | 16.70 | 13.56 | 5.82 | 16.11 | 13.27 | 6.25 | 15.48 | 12.95 | 6.73 | 13.92 | 11.87 | 7.28 | 12.91 | 11.30 | 8.01 |
| | | 27°C | 17.51 | 16.13 | 5.46 | 17.02 | 15.86 | 5.84 | 16.52 | 15.55 | 6.28 | 15.98 | 15.20 | 6.79 | 14.49 | 13.82 | 7.35 | 13.58 | 13.02 | 8.09 |
| | | 30°C | 18.52 | 18.52 | 5.55 | 18.03 | 18.03 | 5.94 | 17.51 | 17.51 | 6.38 | 16.96 | 16.96 | 6.89 | 15.39 | 15.39 | 7.45 | 14.46 | 14.46 | 8.21 |
| | 19°C | 24°C | 18.82 | 11.17 | 5.57 | 18.21 | 10.94 | 5.95 | 17.56 | 10.70 | 6.39 | 16.88 | 10.43 | 6.88 | 15.20 | 9.54 | 7.43 | 14.12 | 9.03 | 8.16 |
| | | 27°C | 18.91 | 13.07 | 5.58 | 18.31 | 12.81 | 5.96 | 17.66 | 12.54 | 6.40 | 16.98 | 12.25 | 6.89 | 15.29 | 11.23 | 7.44 | 14.20 | 10.70 | 8.17 |
| | | 30°C | 19.01 | 16.11 | 5.59 | 18.39 | 15.83 | 5.97 | 17.76 | 15.53 | 6.41 | 17.09 | 15.20 | 6.90 | 15.45 | 13.89 | 7.46 | 14.46 | 13.12 | 8.21 |
| | | 33°C | 19.57 | 19.57 | 5.64 | 19.06 | 19.06 | 6.03 | 18.53 | 18.53 | 6.48 | 17.96 | 17.96 | 6.99 | 16.32 | 16.32 | 7.56 | 15.35 | 15.35 | 8.33 |
| | 22°C | 27°C | 20.61 | 10.48 | 5.73 | 19.94 | 10.26 | 6.11 | 19.24 | 10.04 | 6.55 | 18.51 | 9.81 | 7.05 | 16.68 | 9.00 | 7.61 | 15.52 | 8.56 | 8.35 |
| | | 30°C | 20.67 | 13.03 | 5.73 | 20.01 | 12.78 | 6.12 | 19.32 | 12.51 | 6.56 | 18.59 | 12.23 | 7.06 | 16.75 | 11.22 | 7.62 | 15.59 | 10.71 | 8.36 |
| | | 33°C | 20.77 | 15.31 | 5.74 | 20.10 | 15.04 | 6.13 | 19.40 | 14.77 | 6.57 | 18.67 | 14.49 | 7.07 | 16.82 | 13.34 | 7.63 | 15.66 | 12.79 | 8.37 |
| | | 36°C | 20.88 | 17.53 | 5.75 | 20.25 | 17.20 | 6.14 | 19.61 | 16.83 | 6.59 | 18.98 | 16.39 | 7.11 | 17.25 | 15.07 | 7.68 | 16.25 | 14.31 | 8.45 |

### Model: M4RT080AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 2543 | 16°C | 21°C | 20.76 | 15.23 | 6.60 | 20.10 | 14.89 | 7.05 | 19.40 | 14.54 | 7.58 | 18.65 | 14.16 | 8.18 | 16.79 | 12.93 | 8.85 | 15.59 | 12.23 | 9.74 |
| | | 24°C | 20.84 | 18.14 | 6.60 | 20.19 | 17.76 | 7.06 | 19.49 | 17.36 | 7.58 | 18.74 | 16.94 | 8.18 | 16.88 | 15.51 | 8.86 | 15.67 | 14.73 | 9.75 |
| | | 27°C | 20.92 | 20.88 | 6.61 | 20.28 | 20.28 | 7.07 | 19.60 | 19.60 | 7.59 | 18.90 | 18.90 | 8.20 | 17.11 | 17.11 | 8.88 | 16.06 | 16.06 | 9.80 |
| | | 30°C | 21.75 | 21.75 | 6.68 | 21.20 | 21.20 | 7.15 | 20.61 | 20.61 | 7.69 | 19.98 | 19.98 | 8.31 | 18.15 | 18.15 | 9.00 | 17.07 | 17.07 | 9.92 |
| | 19°C | 24°C | 22.81 | 14.39 | 6.76 | 22.10 | 14.08 | 7.22 | 21.34 | 13.74 | 7.76 | 20.54 | 13.39 | 8.36 | 18.50 | 12.24 | 9.04 | 17.20 | 11.62 | 9.94 |
| | | 27°C | 22.87 | 16.81 | 6.77 | 22.16 | 16.46 | 7.23 | 21.40 | 16.10 | 7.76 | 20.60 | 15.72 | 8.37 | 18.57 | 14.39 | 9.04 | 17.27 | 13.69 | 9.95 |
| | | 30°C | 22.96 | 20.51 | 6.77 | 22.23 | 20.14 | 7.24 | 21.47 | 19.75 | 7.77 | 20.66 | 19.34 | 8.38 | 18.63 | 17.78 | 9.05 | 17.34 | 17.00 | 9.96 |
| | | 33°C | 23.09 | 23.09 | 6.79 | 22.43 | 22.43 | 7.25 | 21.78 | 21.78 | 7.80 | 21.12 | 21.12 | 8.42 | 19.21 | 19.21 | 9.12 | 18.09 | 18.09 | 10.05 |
| | 22°C | 27°C | 25.03 | 13.52 | 6.95 | 24.24 | 13.22 | 7.42 | 23.41 | 12.91 | 7.96 | 22.55 | 12.59 | 8.57 | 20.34 | 11.52 | 9.25 | 18.93 | 10.94 | 10.16 |
| | | 30°C | 25.06 | 16.71 | 6.95 | 24.27 | 16.38 | 7.42 | 23.46 | 16.03 | 7.96 | 22.59 | 15.66 | 8.57 | 20.38 | 14.36 | 9.26 | 18.98 | 13.68 | 10.16 |
| | | 33°C | 25.13 | 19.47 | 6.96 | 24.35 | 19.12 | 7.43 | 23.53 | 18.76 | 7.97 | 22.66 | 18.38 | 8.58 | 20.44 | 16.91 | 9.26 | 19.05 | 16.18 | 10.17 |
| | | 36°C | 25.20 | 22.17 | 6.96 | 24.42 | 21.82 | 7.43 | 23.59 | 21.45 | 7.98 | 22.73 | 21.07 | 8.59 | 20.52 | 19.41 | 9.27 | 19.22 | 18.50 | 10.19 |
| 2826 | 16°C | 21°C | 21.20 | 15.84 | 6.63 | 20.52 | 15.51 | 7.09 | 19.79 | 15.13 | 7.61 | 19.02 | 14.72 | 8.21 | 17.11 | 13.43 | 8.88 | 15.88 | 12.69 | 9.77 |
| | | 24°C | 21.31 | 18.89 | 6.64 | 20.63 | 18.50 | 7.10 | 19.91 | 18.09 | 7.62 | 19.13 | 17.66 | 8.22 | 17.22 | 16.17 | 8.89 | 15.97 | 15.38 | 9.79 |
| | | 27°C | 21.46 | 21.46 | 6.65 | 20.82 | 20.82 | 7.11 | 20.17 | 20.17 | 7.65 | 19.52 | 19.52 | 8.26 | 17.70 | 17.70 | 8.95 | 16.61 | 16.61 | 9.86 |
| | | 30°C | 22.57 | 22.57 | 6.74 | 21.99 | 21.99 | 7.21 | 21.36 | 21.36 | 7.76 | 20.70 | 20.70 | 8.38 | 18.79 | 18.79 | 9.07 | 17.66 | 17.66 | 10.00 |
| | 19°C | 24°C | 23.28 | 14.96 | 6.80 | 22.54 | 14.64 | 7.26 | 21.75 | 14.30 | 7.80 | 20.91 | 13.95 | 8.40 | 18.83 | 12.76 | 9.08 | 17.51 | 12.12 | 9.98 |
| | | 27°C | 23.36 | 17.51 | 6.81 | 22.63 | 17.15 | 7.27 | 21.84 | 16.78 | 7.80 | 21.01 | 16.39 | 8.41 | 18.93 | 15.02 | 9.09 | 17.60 | 14.30 | 9.99 |
| | | 30°C | 23.47 | 21.47 | 6.82 | 22.72 | 21.09 | 7.28 | 21.93 | 20.69 | 7.82 | 21.10 | 20.28 | 8.42 | 19.02 | 18.64 | 9.10 | 17.74 | 17.73 | 10.01 |
| | | 33°C | 23.84 | 23.84 | 6.85 | 23.23 | 23.23 | 7.33 | 22.59 | 22.59 | 7.88 | 21.90 | 21.90 | 8.50 | 19.91 | 19.91 | 9.20 | 18.74 | 18.74 | 10.13 |
| | 22°C | 27°C | 25.51 | 14.04 | 6.99 | 24.69 | 13.74 | 7.46 | 23.84 | 13.43 | 8.00 | 22.94 | 13.11 | 8.61 | 20.68 | 12.01 | 9.29 | 19.25 | 11.42 | 10.20 |
| | | 30°C | 25.57 | 17.44 | 6.99 | 24.76 | 17.09 | 7.47 | 23.91 | 16.73 | 8.01 | 23.01 | 16.35 | 8.62 | 20.75 | 14.99 | 9.30 | 19.32 | 14.29 | 10.21 |
| | | 33°C | 25.67 | 20.39 | 7.00 | 24.86 | 20.04 | 7.47 | 24.00 | 19.67 | 8.02 | 23.10 | 19.28 | 8.63 | 20.83 | 17.74 | 9.31 | 19.40 | 16.99 | 10.22 |
| | | 36°C | 25.76 | 23.31 | 7.01 | 24.94 | 22.95 | 7.48 | 24.10 | 22.54 | 8.03 | 23.27 | 22.07 | 8.65 | 21.09 | 20.40 | 9.34 | 19.83 | 19.45 | 10.28 |
| 3109 | 16°C | 21°C | 21.57 | 16.27 | 6.66 | 20.87 | 15.90 | 7.12 | 20.12 | 15.50 | 7.64 | 19.33 | 15.07 | 8.24 | 17.39 | 13.74 | 8.91 | 16.13 | 12.99 | 9.81 |
| | | 24°C | 21.71 | 19.39 | 6.67 | 21.01 | 19.00 | 7.13 | 20.26 | 18.59 | 7.66 | 19.46 | 18.16 | 8.26 | 17.50 | 16.63 | 8.93 | 16.24 | 15.83 | 9.82 |
| | | 27°C | 22.02 | 22.02 | 6.70 | 21.40 | 21.40 | 7.16 | 20.77 | 20.77 | 7.70 | 20.10 | 20.10 | 8.32 | 18.22 | 18.22 | 9.01 | 17.08 | 17.08 | 9.92 |
| | | 30°C | 23.30 | 23.30 | 6.80 | 22.68 | 22.68 | 7.28 | 22.03 | 22.03 | 7.82 | 21.33 | 21.33 | 8.44 | 19.36 | 19.36 | 9.14 | 18.18 | 18.18 | 10.06 |
| | 19°C | 24°C | 23.66 | 15.65 | 6.83 | 22.90 | 15.33 | 7.30 | 22.09 | 14.99 | 7.83 | 21.23 | 14.62 | 8.43 | 19.11 | 13.36 | 9.11 | 17.76 | 12.66 | 10.01 |
| | | 27°C | 23.78 | 18.32 | 6.84 | 23.02 | 17.96 | 7.31 | 22.21 | 17.57 | 7.84 | 21.35 | 17.17 | 8.45 | 19.23 | 15.74 | 9.12 | 17.87 | 15.00 | 10.02 |
| | | 30°C | 23.91 | 22.57 | 6.85 | 23.13 | 22.18 | 7.32 | 22.33 | 21.76 | 7.85 | 21.50 | 21.30 | 8.46 | 19.43 | 19.43 | 9.15 | 18.19 | 18.19 | 10.06 |
| | | 33°C | 24.61 | 24.61 | 6.91 | 23.97 | 23.97 | 7.39 | 23.30 | 23.30 | 7.95 | 22.59 | 22.59 | 8.57 | 20.52 | 20.52 | 9.27 | 19.30 | 19.30 | 10.21 |
| | 22°C | 27°C | 25.92 | 14.69 | 7.02 | 25.08 | 14.39 | 7.49 | 24.20 | 14.07 | 8.04 | 23.28 | 13.75 | 8.65 | 20.98 | 12.61 | 9.33 | 19.51 | 12.00 | 10.23 |
| | | 30°C | 26.00 | 18.26 | 7.03 | 25.17 | 17.91 | 7.50 | 24.29 | 17.53 | 8.04 | 23.38 | 17.14 | 8.66 | 21.07 | 15.73 | 9.34 | 19.61 | 15.00 | 10.24 |
| | | 33°C | 26.13 | 21.45 | 7.04 | 25.28 | 21.08 | 7.51 | 24.40 | 20.70 | 8.06 | 23.48 | 20.31 | 8.67 | 21.16 | 18.70 | 9.35 | 19.70 | 17.92 | 10.26 |
| | | 36°C | 26.26 | 24.57 | 7.05 | 25.47 | 24.11 | 7.53 | 24.67 | 23.58 | 8.08 | 23.87 | 22.97 | 8.71 | 21.70 | 21.12 | 9.42 | 20.44 | 20.05 | 10.36 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (shaded) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: M4RT100AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 3179 | 16°C | 21°C | 25.49 | 19.41 | 8.49 | 24.68 | 18.99 | 9.07 | 23.82 | 18.53 | 9.75 | 22.90 | 18.05 | 10.52 | 20.61 | 16.48 | 11.38 | 19.14 | 15.59 | 12.53 |
| | | 24°C | 25.58 | 23.13 | 8.50 | 24.78 | 22.64 | 9.08 | 23.92 | 22.14 | 9.76 | 23.01 | 21.60 | 10.53 | 20.72 | 19.77 | 11.39 | 19.24 | 18.78 | 12.54 |
| | | 27°C | 25.68 | 25.68 | 8.51 | 24.90 | 24.90 | 9.09 | 24.06 | 24.06 | 9.77 | 23.21 | 23.21 | 10.55 | 21.01 | 21.01 | 11.43 | 19.71 | 19.71 | 12.61 |
| | | 30°C | 26.70 | 26.70 | 8.59 | 26.02 | 26.02 | 9.19 | 25.30 | 25.30 | 9.89 | 24.53 | 24.53 | 10.69 | 22.28 | 22.28 | 11.58 | 20.95 | 20.95 | 12.77 |
| | 19°C | 24°C | 28.00 | 18.34 | 8.70 | 27.13 | 17.94 | 9.29 | 26.20 | 17.52 | 9.98 | 25.21 | 17.07 | 10.76 | 22.71 | 15.61 | 11.63 | 21.11 | 14.81 | 12.79 |
| | | 27°C | 28.07 | 21.43 | 8.71 | 27.20 | 20.99 | 9.30 | 26.27 | 20.52 | 9.99 | 25.29 | 20.03 | 10.77 | 22.79 | 18.35 | 11.64 | 21.20 | 17.45 | 12.80 |
| | | 30°C | 28.18 | 26.15 | 8.72 | 27.29 | 25.67 | 9.31 | 26.36 | 25.17 | 10.00 | 25.36 | 24.65 | 10.78 | 22.87 | 22.66 | 11.65 | 21.29 | 21.29 | 12.81 |
| | | 33°C | 28.34 | 28.34 | 8.73 | 27.54 | 27.54 | 9.33 | 26.73 | 26.73 | 10.04 | 25.93 | 25.93 | 10.84 | 23.58 | 23.58 | 11.73 | 22.21 | 22.21 | 12.93 |
| | 22°C | 27°C | 30.72 | 17.23 | 8.94 | 29.75 | 16.85 | 9.54 | 28.74 | 16.46 | 10.24 | 27.68 | 16.05 | 11.02 | 24.96 | 14.68 | 11.90 | 23.24 | 13.95 | 13.07 |
| | | 30°C | 30.76 | 21.30 | 8.94 | 29.80 | 20.88 | 9.55 | 28.79 | 20.44 | 10.24 | 27.73 | 19.97 | 11.03 | 25.01 | 18.30 | 11.91 | 23.30 | 17.44 | 13.08 |
| | | 33°C | 30.85 | 24.82 | 8.95 | 29.89 | 24.38 | 9.56 | 28.88 | 23.92 | 10.25 | 27.81 | 23.43 | 11.04 | 25.09 | 21.55 | 11.92 | 23.38 | 20.62 | 13.09 |
| | | 36°C | 30.94 | 28.26 | 8.96 | 29.97 | 27.82 | 9.57 | 28.95 | 27.35 | 10.26 | 27.90 | 26.86 | 11.05 | 25.19 | 24.74 | 11.93 | 23.59 | 23.58 | 13.12 |
| 3532 | 16°C | 21°C | 26.02 | 20.20 | 8.53 | 25.19 | 19.77 | 9.12 | 24.29 | 19.29 | 9.79 | 23.34 | 18.77 | 10.57 | 21.01 | 17.12 | 11.43 | 19.50 | 16.18 | 12.58 |
| | | 24°C | 26.16 | 24.07 | 8.55 | 25.32 | 23.58 | 9.13 | 24.43 | 23.06 | 9.81 | 23.48 | 22.51 | 10.58 | 21.13 | 20.62 | 11.44 | 19.61 | 19.60 | 12.59 |
| | | 27°C | 26.34 | 26.34 | 8.56 | 25.56 | 25.56 | 9.15 | 24.76 | 24.76 | 9.84 | 23.96 | 23.96 | 10.63 | 21.73 | 21.73 | 11.51 | 20.38 | 20.38 | 12.69 |
| | | 30°C | 27.70 | 27.70 | 8.68 | 26.99 | 26.99 | 9.28 | 26.23 | 26.23 | 9.98 | 25.41 | 25.41 | 10.78 | 23.07 | 23.07 | 11.67 | 21.68 | 21.68 | 12.86 |
| | 19°C | 24°C | 28.57 | 19.06 | 8.75 | 27.67 | 18.66 | 9.34 | 26.70 | 18.23 | 10.03 | 25.67 | 17.78 | 10.81 | 23.12 | 16.27 | 11.68 | 21.49 | 15.45 | 12.83 |
| | | 27°C | 28.68 | 22.31 | 8.76 | 27.77 | 21.87 | 9.35 | 26.81 | 21.39 | 10.04 | 25.79 | 20.89 | 10.82 | 23.23 | 19.14 | 11.69 | 21.60 | 18.23 | 12.85 |
| | | 30°C | 28.81 | 27.37 | 8.77 | 27.89 | 26.89 | 9.37 | 26.92 | 26.38 | 10.06 | 25.90 | 25.85 | 10.83 | 23.35 | 23.35 | 11.71 | 21.78 | 21.78 | 12.87 |
| | | 33°C | 29.26 | 29.26 | 8.81 | 28.51 | 28.51 | 9.42 | 27.72 | 27.72 | 10.14 | 26.89 | 26.89 | 10.94 | 24.44 | 24.44 | 11.84 | 23.00 | 23.00 | 13.04 |
| | 22°C | 27°C | 31.31 | 17.90 | 8.99 | 30.31 | 17.52 | 9.60 | 29.27 | 17.12 | 10.29 | 28.16 | 16.71 | 11.08 | 25.39 | 15.30 | 11.95 | 23.63 | 14.56 | 13.12 |
| | | 30°C | 31.39 | 22.23 | 9.00 | 30.39 | 21.78 | 9.60 | 29.35 | 21.32 | 10.30 | 28.24 | 20.84 | 11.09 | 25.47 | 19.11 | 11.96 | 23.72 | 18.22 | 13.13 |
| | | 33°C | 31.51 | 25.99 | 9.01 | 30.51 | 25.54 | 9.62 | 29.46 | 25.07 | 10.31 | 28.35 | 24.57 | 11.10 | 25.57 | 22.62 | 11.98 | 23.82 | 21.66 | 13.15 |
| | | 36°C | 31.62 | 29.72 | 9.02 | 30.62 | 29.26 | 9.63 | 29.58 | 28.74 | 10.33 | 28.56 | 28.13 | 11.12 | 25.89 | 25.89 | 12.02 | 24.34 | 24.34 | 13.22 |
| 3885 | 16°C | 21°C | 26.48 | 20.75 | 8.57 | 25.62 | 20.26 | 9.16 | 24.70 | 19.75 | 9.83 | 23.73 | 19.21 | 10.60 | 21.34 | 17.52 | 11.47 | 19.80 | 16.56 | 12.62 |
| | | 24°C | 26.65 | 24.72 | 8.59 | 25.79 | 24.22 | 9.17 | 24.87 | 23.70 | 9.85 | 23.89 | 23.14 | 10.62 | 21.48 | 21.20 | 11.48 | 19.94 | 19.94 | 12.63 |
| | | 27°C | 27.03 | 27.03 | 8.62 | 26.27 | 26.27 | 9.22 | 25.50 | 25.50 | 9.91 | 24.67 | 24.67 | 10.70 | 22.36 | 22.36 | 11.59 | 20.97 | 20.97 | 12.77 |
| | | 30°C | 28.60 | 28.60 | 8.75 | 27.84 | 27.84 | 9.36 | 27.04 | 27.04 | 10.07 | 26.19 | 26.19 | 10.86 | 23.76 | 23.76 | 11.76 | 22.32 | 22.32 | 12.95 |
| | 19°C | 24°C | 29.05 | 19.95 | 8.79 | 28.11 | 19.54 | 9.39 | 27.11 | 19.11 | 10.07 | 26.06 | 18.64 | 10.85 | 23.46 | 17.03 | 11.72 | 21.80 | 16.14 | 12.88 |
| | | 27°C | 29.20 | 23.35 | 8.80 | 28.26 | 22.89 | 9.40 | 27.26 | 22.40 | 10.09 | 26.21 | 21.89 | 10.87 | 23.60 | 20.07 | 11.74 | 21.93 | 19.12 | 12.89 |
| | | 30°C | 29.35 | 28.78 | 8.82 | 28.39 | 28.28 | 9.42 | 27.41 | 27.41 | 10.10 | 26.39 | 26.39 | 10.89 | 23.85 | 23.85 | 11.77 | 22.32 | 22.32 | 12.95 |
| | | 33°C | 30.21 | 30.21 | 8.89 | 29.43 | 29.43 | 9.51 | 28.60 | 28.60 | 10.23 | 27.73 | 27.73 | 11.03 | 25.19 | 25.19 | 11.93 | 23.70 | 23.70 | 13.13 |
| | 22°C | 27°C | 31.81 | 18.72 | 9.03 | 30.78 | 18.34 | 9.64 | 29.70 | 17.94 | 10.34 | 28.57 | 17.53 | 11.12 | 25.75 | 16.08 | 12.00 | 23.95 | 15.30 | 13.16 |
| | | 30°C | 31.92 | 23.28 | 9.05 | 30.89 | 22.82 | 9.65 | 29.82 | 22.35 | 10.35 | 28.69 | 21.85 | 11.14 | 25.86 | 20.05 | 12.01 | 24.07 | 19.13 | 13.18 |
| | | 33°C | 32.07 | 27.34 | 9.06 | 31.03 | 26.88 | 9.67 | 29.95 | 26.39 | 10.37 | 28.82 | 25.88 | 11.15 | 25.97 | 23.84 | 12.03 | 24.18 | 22.85 | 13.20 |
| | | 36°C | 32.23 | 31.31 | 9.07 | 31.26 | 30.74 | 9.69 | 30.28 | 30.06 | 10.40 | 29.30 | 29.28 | 11.21 | 26.64 | 26.64 | 12.11 | 25.09 | 25.09 | 13.32 |

## Model: M4RT120AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 3240 | 16°C | 21°C | 28.96 | 22.88 | 10.07 | 28.04 | 22.37 | 10.76 | 27.07 | 21.84 | 11.57 | 26.02 | 21.27 | 12.48 | 23.42 | 19.42 | 13.51 | 21.75 | 18.37 | 14.87 |
| | | 24°C | 29.07 | 27.25 | 10.08 | 28.16 | 26.68 | 10.78 | 27.18 | 26.09 | 11.58 | 26.14 | 25.45 | 12.50 | 23.54 | 23.29 | 13.52 | 21.86 | 21.86 | 14.89 |
| | | 27°C | 29.18 | 29.18 | 10.09 | 28.29 | 28.29 | 10.79 | 27.34 | 27.34 | 11.60 | 26.37 | 26.37 | 12.52 | 23.87 | 23.87 | 13.56 | 22.40 | 22.40 | 14.96 |
| | | 30°C | 30.34 | 30.34 | 10.19 | 29.57 | 29.57 | 10.91 | 28.75 | 28.75 | 11.74 | 27.87 | 27.87 | 12.68 | 25.32 | 25.32 | 13.74 | 23.81 | 23.81 | 15.15 |
| | 19°C | 24°C | 31.82 | 21.61 | 10.33 | 30.83 | 21.14 | 11.03 | 29.77 | 20.64 | 11.84 | 28.65 | 20.12 | 12.77 | 25.81 | 18.39 | 13.80 | 23.99 | 17.45 | 15.17 |
| | | 27°C | 31.90 | 25.25 | 10.33 | 30.91 | 24.73 | 11.04 | 29.85 | 24.19 | 11.85 | 28.73 | 23.61 | 12.78 | 25.90 | 21.62 | 13.81 | 24.10 | 20.57 | 15.19 |
| | | 30°C | 32.02 | 30.81 | 10.34 | 31.01 | 30.25 | 11.05 | 29.95 | 29.67 | 11.87 | 28.82 | 28.82 | 12.79 | 25.99 | 25.99 | 13.82 | 24.19 | 24.19 | 15.20 |
| | | 33°C | 32.21 | 32.21 | 10.36 | 31.29 | 31.29 | 11.07 | 30.38 | 30.38 | 11.91 | 29.47 | 29.47 | 12.86 | 26.80 | 26.80 | 13.93 | 25.24 | 25.24 | 15.35 |
| | 22°C | 27°C | 34.91 | 20.31 | 10.61 | 33.81 | 19.86 | 11.32 | 32.66 | 19.40 | 12.15 | 31.45 | 18.91 | 13.08 | 28.37 | 17.30 | 14.12 | 26.41 | 16.44 | 15.51 |
| | | 30°C | 34.96 | 25.10 | 10.61 | 33.86 | 24.60 | 11.33 | 32.72 | 24.08 | 12.16 | 31.51 | 23.53 | 13.09 | 28.42 | 21.57 | 14.13 | 26.48 | 20.55 | 15.52 |
| | | 33°C | 35.06 | 29.25 | 10.62 | 33.96 | 28.73 | 11.34 | 32.82 | 28.18 | 12.17 | 31.61 | 27.61 | 13.10 | 28.52 | 25.40 | 14.14 | 26.57 | 24.30 | 15.53 |
| | | 36°C | 35.16 | 33.31 | 10.63 | 34.06 | 32.78 | 11.35 | 32.90 | 32.23 | 12.18 | 31.70 | 31.65 | 13.11 | 28.63 | 28.63 | 14.16 | 26.80 | 26.80 | 15.56 |
| 3600 | 16°C | 21°C | 29.57 | 23.80 | 10.13 | 28.62 | 23.29 | 10.82 | 27.60 | 22.74 | 11.62 | 26.52 | 22.12 | 12.54 | 23.87 | 20.17 | 13.56 | 22.15 | 19.07 | 14.92 |
| | | 24°C | 29.72 | 28.37 | 10.14 | 28.78 | 27.79 | 10.83 | 27.77 | 27.18 | 11.64 | 26.69 | 26.53 | 12.55 | 24.02 | 24.02 | 13.58 | 22.28 | 22.28 | 14.94 |
| | | 27°C | 29.93 | 29.93 | 10.16 | 29.04 | 29.04 | 10.86 | 28.13 | 28.13 | 11.68 | 27.23 | 27.23 | 12.61 | 24.69 | 24.69 | 13.66 | 23.16 | 23.16 | 15.06 |
| | | 30°C | 31.48 | 31.48 | 10.30 | 30.67 | 30.67 | 11.01 | 29.80 | 29.80 | 11.85 | 28.87 | 28.87 | 12.79 | 26.22 | 26.22 | 13.85 | 24.64 | 24.64 | 15.26 |
| | 19°C | 24°C | 32.47 | 22.47 | 10.38 | 31.44 | 21.99 | 11.09 | 30.34 | 21.49 | 11.90 | 29.17 | 20.96 | 12.82 | 26.27 | 19.18 | 13.86 | 24.42 | 18.21 | 15.23 |
| | | 27°C | 32.59 | 26.30 | 10.39 | 31.56 | 25.77 | 11.10 | 30.46 | 25.21 | 11.92 | 29.31 | 24.62 | 12.84 | 26.40 | 22.56 | 13.87 | 24.55 | 21.48 | 15.25 |
| | | 30°C | 32.74 | 32.25 | 10.41 | 31.69 | 31.69 | 11.12 | 30.59 | 30.59 | 11.93 | 29.44 | 29.44 | 12.86 | 26.54 | 26.54 | 13.89 | 24.75 | 24.75 | 15.28 |
| | | 33°C | 33.25 | 33.25 | 10.45 | 32.40 | 32.40 | 11.18 | 31.50 | 31.50 | 12.03 | 30.55 | 30.55 | 12.98 | 27.77 | 27.77 | 14.05 | 26.14 | 26.14 | 15.47 |
| | 22°C | 27°C | 35.58 | 21.09 | 10.67 | 34.44 | 20.64 | 11.39 | 33.26 | 20.18 | 12.21 | 32.00 | 19.69 | 13.15 | 28.85 | 18.04 | 14.19 | 26.85 | 17.16 | 15.57 |
| | | 30°C | 35.67 | 26.19 | 10.68 | 34.53 | 25.67 | 11.40 | 33.35 | 25.13 | 12.22 | 32.10 | 24.56 | 13.16 | 28.94 | 22.52 | 14.20 | 26.96 | 21.47 | 15.58 |
| | | 33°C | 35.81 | 30.63 | 10.69 | 34.67 | 30.10 | 11.41 | 33.48 | 29.54 | 12.24 | 32.22 | 28.96 | 13.17 | 29.06 | 26.65 | 14.22 | 27.06 | 25.53 | 15.60 |
| | | 36°C | 35.93 | 35.02 | 10.70 | 34.79 | 34.48 | 11.43 | 33.62 | 33.62 | 12.26 | 32.45 | 32.45 | 13.20 | 29.42 | 29.42 | 14.26 | 27.66 | 27.66 | 15.69 |
| 3960 | 16°C | 21°C | 30.09 | 24.45 | 10.17 | 29.11 | 23.88 | 10.87 | 28.07 | 23.28 | 11.67 | 26.97 | 22.64 | 12.58 | 24.26 | 20.64 | 13.61 | 22.50 | 19.51 | 14.97 |
| | | 24°C | 30.29 | 29.13 | 10.19 | 29.30 | 28.55 | 10.88 | 28.26 | 27.93 | 11.69 | 27.15 | 27.15 | 12.61 | 24.41 | 24.41 | 13.63 | 22.65 | 22.65 | 14.99 |
| | | 27°C | 30.71 | 30.71 | 10.22 | 29.86 | 29.86 | 10.94 | 28.98 | 28.98 | 11.76 | 28.04 | 28.04 | 12.70 | 25.41 | 25.41 | 13.75 | 23.83 | 23.83 | 15.15 |
| | | 30°C | 32.49 | 32.49 | 10.39 | 31.64 | 31.64 | 11.11 | 30.73 | 30.73 | 11.94 | 29.76 | 29.76 | 12.89 | 27.00 | 27.00 | 13.95 | 25.36 | 25.36 | 15.36 |
| | 19°C | 24°C | 33.01 | 23.51 | 10.43 | 31.95 | 23.03 | 11.14 | 30.81 | 22.52 | 11.95 | 29.61 | 21.97 | 12.88 | 26.66 | 20.07 | 13.90 | 24.77 | 19.02 | 15.28 |
| | | 27°C | 33.18 | 27.52 | 10.45 | 32.11 | 26.98 | 11.16 | 30.98 | 26.40 | 11.97 | 29.79 | 25.79 | 12.89 | 26.82 | 23.65 | 13.93 | 24.92 | 22.53 | 15.30 |
| | | 30°C | 33.35 | 33.35 | 10.46 | 32.26 | 32.26 | 11.17 | 31.15 | 31.15 | 11.99 | 29.99 | 29.99 | 12.92 | 27.10 | 27.10 | 13.96 | 25.37 | 25.37 | 15.36 |
| | | 33°C | 34.33 | 34.33 | 10.55 | 33.44 | 33.44 | 11.29 | 32.50 | 32.50 | 12.13 | 31.51 | 31.51 | 13.09 | 28.62 | 28.62 | 14.16 | 26.93 | 26.93 | 15.58 |
| | 22°C | 27°C | 36.15 | 22.06 | 10.72 | 34.98 | 21.61 | 11.44 | 33.75 | 21.14 | 12.27 | 32.47 | 20.66 | 13.20 | 29.26 | 18.94 | 14.24 | 27.22 | 18.03 | 15.62 |
| | | 30°C | 36.27 | 27.44 | 10.73 | 35.10 | 26.90 | 11.46 | 33.89 | 26.34 | 12.28 | 32.61 | 25.75 | 13.22 | 29.39 | 23.63 | 14.26 | 27.36 | 22.54 | 15.64 |
| | | 33°C | 36.44 | 32.22 | 10.75 | 35.27 | 31.67 | 11.47 | 34.04 | 31.10 | 12.30 | 32.75 | 30.50 | 13.24 | 29.51 | 28.09 | 14.28 | 27.48 | 26.92 | 15.66 |
| | | 36°C | 36.63 | 36.63 | 10.77 | 35.53 | 35.53 | 11.50 | 34.41 | 34.41 | 12.34 | 33.30 | 33.30 | 13.30 | 30.27 | 30.27 | 14.37 | 28.52 | 28.52 | 15.81 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: M4RT150AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 5086 | 16°C | 21°C | 43.15 | 31.66 | 13.00 | 41.79 | 30.96 | 13.89 | 40.33 | 30.22 | 14.93 | 38.77 | 29.43 | 16.11 | 34.89 | 26.87 | 17.43 | 32.41 | 25.42 | 19.19 |
| | | 24°C | 43.32 | 37.71 | 13.01 | 41.95 | 36.92 | 13.91 | 40.50 | 36.09 | 14.94 | 38.96 | 35.21 | 16.13 | 35.08 | 32.23 | 17.45 | 32.58 | 30.63 | 19.21 |
| | | 27°C | 43.48 | 43.40 | 13.03 | 42.15 | 42.15 | 13.92 | 40.74 | 40.74 | 14.96 | 39.29 | 39.29 | 16.16 | 35.57 | 35.57 | 17.50 | 33.38 | 33.38 | 19.30 |
| | | 30°C | 45.20 | 45.20 | 13.15 | 44.07 | 44.07 | 14.08 | 42.84 | 42.84 | 15.15 | 41.53 | 41.53 | 16.37 | 37.72 | 37.72 | 17.73 | 35.47 | 35.47 | 19.55 |
| | 19°C | 24°C | 47.41 | 29.90 | 13.33 | 45.94 | 29.25 | 14.23 | 44.36 | 28.56 | 15.28 | 42.68 | 27.84 | 16.47 | 38.45 | 25.45 | 17.81 | 35.75 | 24.15 | 19.58 |
| | | 27°C | 47.53 | 34.93 | 13.33 | 46.05 | 34.22 | 14.24 | 44.48 | 33.46 | 15.30 | 42.82 | 32.66 | 16.49 | 38.59 | 29.92 | 17.82 | 35.90 | 28.46 | 19.60 |
| | | 30°C | 47.72 | 42.63 | 13.35 | 46.21 | 41.86 | 14.26 | 44.62 | 41.05 | 15.31 | 42.94 | 40.19 | 16.51 | 38.72 | 36.95 | 17.84 | 36.05 | 35.33 | 19.62 |
| | | 33°C | 47.99 | 47.99 | 13.37 | 46.62 | 46.62 | 14.29 | 45.26 | 45.26 | 15.37 | 43.91 | 43.91 | 16.60 | 39.93 | 39.93 | 17.97 | 37.60 | 37.60 | 19.80 |
| | 22°C | 27°C | 52.02 | 28.10 | 13.69 | 50.37 | 27.48 | 14.61 | 48.66 | 26.84 | 15.68 | 46.86 | 26.17 | 16.88 | 42.27 | 23.94 | 18.23 | 39.35 | 22.74 | 20.01 |
| | | 30°C | 52.09 | 34.73 | 13.69 | 50.45 | 34.04 | 14.62 | 48.75 | 33.32 | 15.69 | 46.95 | 32.55 | 16.89 | 42.35 | 29.84 | 18.24 | 39.46 | 28.43 | 20.02 |
| | | 33°C | 52.24 | 40.47 | 13.71 | 50.61 | 39.75 | 14.64 | 48.90 | 38.99 | 15.70 | 47.09 | 38.21 | 16.91 | 42.49 | 35.14 | 18.25 | 39.59 | 33.62 | 20.04 |
| | | 36°C | 52.39 | 46.08 | 13.72 | 50.75 | 45.35 | 14.65 | 49.02 | 44.59 | 15.72 | 47.23 | 43.80 | 16.92 | 42.66 | 40.35 | 18.27 | 39.94 | 38.45 | 20.09 |
| 5651 | 16°C | 21°C | 44.06 | 32.93 | 13.07 | 42.65 | 32.23 | 13.96 | 41.13 | 31.46 | 15.00 | 39.52 | 30.60 | 16.18 | 35.57 | 27.91 | 17.50 | 33.01 | 26.38 | 19.26 |
| | | 24°C | 44.29 | 39.25 | 13.09 | 42.88 | 38.46 | 13.98 | 41.37 | 37.61 | 15.02 | 39.76 | 36.71 | 16.20 | 35.79 | 33.62 | 17.52 | 33.20 | 31.96 | 19.28 |
| | | 27°C | 44.60 | 44.60 | 13.11 | 43.28 | 43.28 | 14.01 | 41.92 | 41.92 | 15.07 | 40.57 | 40.57 | 16.28 | 36.79 | 36.79 | 17.63 | 34.51 | 34.51 | 19.44 |
| | | 30°C | 46.91 | 46.91 | 13.29 | 45.70 | 45.70 | 14.21 | 44.41 | 44.41 | 15.29 | 43.02 | 43.02 | 16.51 | 39.06 | 39.06 | 17.88 | 36.71 | 36.71 | 19.70 |
| | 19°C | 24°C | 48.38 | 31.08 | 13.40 | 46.85 | 30.43 | 14.31 | 45.20 | 29.73 | 15.36 | 43.47 | 29.00 | 16.55 | 39.14 | 26.53 | 17.88 | 36.39 | 25.20 | 19.65 |
| | | 27°C | 48.56 | 36.38 | 13.41 | 47.03 | 35.65 | 14.33 | 45.39 | 34.88 | 15.38 | 43.67 | 34.06 | 16.57 | 39.33 | 31.21 | 17.90 | 36.58 | 29.72 | 19.68 |
| | | 30°C | 48.78 | 44.63 | 13.43 | 47.22 | 43.84 | 14.35 | 45.57 | 43.01 | 15.40 | 43.86 | 42.15 | 16.59 | 39.54 | 38.74 | 17.93 | 36.87 | 36.85 | 19.72 |
| | | 33°C | 49.54 | 49.54 | 13.49 | 48.28 | 48.28 | 14.43 | 46.94 | 46.94 | 15.52 | 45.52 | 45.52 | 16.75 | 41.38 | 41.38 | 18.13 | 38.94 | 38.94 | 19.97 |
| | 22°C | 27°C | 53.02 | 29.18 | 13.77 | 51.32 | 28.56 | 14.70 | 49.55 | 27.92 | 15.76 | 47.68 | 27.25 | 16.97 | 42.98 | 24.95 | 18.31 | 40.01 | 23.75 | 20.09 |
| | | 30°C | 53.15 | 36.24 | 13.78 | 51.45 | 35.52 | 14.71 | 49.69 | 34.77 | 15.78 | 47.82 | 33.98 | 16.98 | 43.13 | 31.16 | 18.32 | 40.16 | 29.71 | 20.11 |
| | | 33°C | 53.35 | 42.38 | 13.80 | 51.66 | 41.65 | 14.73 | 49.88 | 40.87 | 15.80 | 48.01 | 40.07 | 17.00 | 43.30 | 36.88 | 18.34 | 40.33 | 35.32 | 20.13 |
| | | 36°C | 53.54 | 48.46 | 13.81 | 51.84 | 47.71 | 14.74 | 50.09 | 46.86 | 15.82 | 48.36 | 45.86 | 17.03 | 43.83 | 42.40 | 18.40 | 41.21 | 40.43 | 20.24 |
| 6216 | 16°C | 21°C | 44.84 | 33.83 | 13.13 | 43.37 | 33.04 | 14.02 | 41.82 | 32.21 | 15.06 | 40.18 | 31.32 | 16.24 | 36.14 | 28.56 | 17.56 | 33.52 | 26.99 | 19.32 |
| | | 24°C | 45.13 | 40.31 | 13.15 | 43.66 | 39.50 | 14.05 | 42.11 | 38.64 | 15.09 | 40.46 | 37.74 | 16.27 | 36.38 | 34.57 | 17.59 | 33.75 | 32.91 | 19.35 |
| | | 27°C | 45.76 | 45.76 | 13.20 | 44.49 | 44.49 | 14.11 | 43.18 | 43.18 | 15.18 | 41.78 | 41.78 | 16.39 | 37.87 | 37.87 | 17.74 | 35.50 | 35.50 | 19.55 |
| | | 30°C | 48.42 | 48.42 | 13.40 | 47.14 | 47.14 | 14.34 | 45.78 | 45.78 | 15.41 | 44.34 | 44.34 | 16.64 | 40.24 | 40.24 | 18.00 | 37.79 | 37.79 | 19.82 |
| | 19°C | 24°C | 49.18 | 32.53 | 13.46 | 47.60 | 31.86 | 14.37 | 45.91 | 31.16 | 15.43 | 44.13 | 30.40 | 16.62 | 39.73 | 27.77 | 17.94 | 36.91 | 26.32 | 19.72 |
| | | 27°C | 49.43 | 38.08 | 13.48 | 47.85 | 37.32 | 14.40 | 46.16 | 36.52 | 15.45 | 44.38 | 35.68 | 16.64 | 39.96 | 32.72 | 17.97 | 37.13 | 31.17 | 19.75 |
| | | 30°C | 49.69 | 46.92 | 13.50 | 48.07 | 46.10 | 14.42 | 46.42 | 45.24 | 15.47 | 44.68 | 44.26 | 16.67 | 40.38 | 40.38 | 18.02 | 37.80 | 37.80 | 19.83 |
| | | 33°C | 51.15 | 51.15 | 13.62 | 49.83 | 49.83 | 14.57 | 48.43 | 48.43 | 15.66 | 46.95 | 46.95 | 16.89 | 42.65 | 42.65 | 18.27 | 40.12 | 40.12 | 20.11 |
| | 22°C | 27°C | 53.86 | 30.52 | 13.84 | 52.12 | 29.90 | 14.77 | 50.29 | 29.25 | 15.83 | 48.38 | 28.58 | 17.03 | 43.60 | 26.21 | 18.37 | 40.56 | 24.94 | 20.16 |
| | | 30°C | 54.04 | 37.96 | 13.85 | 52.31 | 37.22 | 14.78 | 50.49 | 36.44 | 15.85 | 48.58 | 35.62 | 17.06 | 43.79 | 32.69 | 18.40 | 40.76 | 31.19 | 20.18 |
| | | 33°C | 54.30 | 44.58 | 13.87 | 52.55 | 43.82 | 14.81 | 50.72 | 43.03 | 15.87 | 48.80 | 42.21 | 17.08 | 43.98 | 38.86 | 18.42 | 40.94 | 37.25 | 20.21 |
| | | 36°C | 54.57 | 51.06 | 13.90 | 52.94 | 50.11 | 14.84 | 51.27 | 49.01 | 15.93 | 49.61 | 47.73 | 17.16 | 45.10 | 43.89 | 18.55 | 42.49 | 41.68 | 20.40 |

## Model: M4RT200AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 6039 | 16°C | 21°C | 55.03 | 37.78 | 16.60 | 53.28 | 36.94 | 17.74 | 51.43 | 36.06 | 19.06 | 49.44 | 35.12 | 20.57 | 44.49 | 32.07 | 22.26 | 41.33 | 30.33 | 24.51 |
| | | 24°C | 55.24 | 45.00 | 16.62 | 53.50 | 44.06 | 17.76 | 51.65 | 43.07 | 19.08 | 49.67 | 42.02 | 20.59 | 44.73 | 38.46 | 22.28 | 41.54 | 36.55 | 24.53 |
| | | 27°C | 55.44 | 51.80 | 16.63 | 53.75 | 50.83 | 17.78 | 51.95 | 49.78 | 19.11 | 50.10 | 48.50 | 20.63 | 45.35 | 44.16 | 22.35 | 42.56 | 41.48 | 24.65 |
| | | 30°C | 57.64 | 57.64 | 16.80 | 56.19 | 56.19 | 17.98 | 54.63 | 54.63 | 19.35 | 52.95 | 52.95 | 20.90 | 48.10 | 48.10 | 22.64 | 45.23 | 45.23 | 24.96 |
| | 19°C | 24°C | 60.46 | 35.69 | 17.02 | 58.58 | 34.91 | 18.18 | 56.57 | 34.09 | 19.52 | 54.43 | 33.22 | 21.04 | 49.03 | 30.37 | 22.74 | 45.59 | 28.82 | 25.00 |
| | | 27°C | 60.61 | 41.69 | 17.03 | 58.72 | 40.84 | 18.19 | 56.72 | 39.94 | 19.53 | 54.60 | 38.98 | 21.05 | 49.21 | 35.70 | 22.76 | 45.78 | 33.96 | 25.02 |
| | | 30°C | 60.85 | 50.88 | 17.05 | 58.93 | 49.96 | 18.21 | 56.90 | 48.99 | 19.55 | 54.76 | 47.97 | 21.08 | 49.38 | 44.10 | 22.78 | 45.97 | 42.16 | 25.05 |
| | | 33°C | 61.20 | 61.20 | 17.07 | 59.45 | 59.45 | 18.25 | 57.72 | 57.72 | 19.63 | 55.99 | 55.99 | 21.19 | 50.91 | 50.91 | 22.95 | 47.95 | 47.95 | 25.29 |
| | 22°C | 27°C | 66.33 | 33.53 | 17.48 | 64.24 | 32.79 | 18.66 | 62.05 | 32.03 | 20.02 | 59.76 | 31.23 | 21.56 | 53.90 | 28.57 | 23.28 | 50.18 | 27.14 | 25.56 |
| | | 30°C | 66.43 | 41.45 | 17.49 | 64.34 | 40.63 | 18.67 | 62.17 | 39.77 | 20.03 | 59.87 | 38.85 | 21.57 | 54.01 | 35.61 | 23.29 | 50.31 | 33.93 | 25.57 |
| | | 33°C | 66.61 | 48.30 | 17.50 | 64.53 | 47.43 | 18.69 | 62.35 | 46.54 | 20.05 | 60.05 | 45.60 | 21.59 | 54.18 | 41.94 | 23.31 | 50.49 | 40.12 | 25.60 |
| | | 36°C | 66.80 | 55.00 | 17.52 | 64.72 | 54.13 | 18.71 | 62.51 | 53.21 | 20.07 | 60.23 | 52.27 | 21.61 | 54.39 | 48.15 | 23.33 | 50.93 | 45.89 | 25.65 |
| 6710 | 16°C | 21°C | 56.19 | 39.30 | 16.69 | 54.39 | 38.46 | 17.83 | 52.44 | 37.54 | 19.15 | 50.40 | 36.52 | 20.66 | 45.36 | 33.31 | 22.35 | 42.09 | 31.48 | 24.59 |
| | | 24°C | 56.48 | 46.85 | 16.71 | 54.68 | 45.89 | 17.85 | 52.76 | 44.88 | 19.18 | 50.71 | 43.81 | 20.69 | 45.63 | 40.12 | 22.38 | 42.34 | 38.15 | 24.63 |
| | | 27°C | 56.87 | 54.31 | 16.74 | 55.18 | 53.14 | 17.89 | 53.46 | 51.76 | 19.24 | 51.73 | 50.15 | 20.79 | 46.91 | 45.71 | 22.51 | 44.01 | 43.00 | 24.82 |
| | | 30°C | 59.82 | 59.82 | 16.97 | 58.28 | 58.28 | 18.15 | 56.62 | 56.62 | 19.52 | 54.86 | 54.86 | 21.08 | 49.81 | 49.81 | 22.83 | 46.81 | 46.81 | 25.15 |
| | 19°C | 24°C | 61.69 | 37.10 | 17.11 | 59.74 | 36.31 | 18.27 | 57.64 | 35.48 | 19.62 | 55.43 | 34.61 | 21.14 | 49.91 | 31.66 | 22.84 | 46.41 | 30.07 | 25.10 |
| | | 27°C | 61.92 | 43.42 | 17.13 | 59.97 | 42.55 | 18.29 | 57.88 | 41.62 | 19.64 | 55.68 | 40.65 | 21.16 | 50.16 | 37.25 | 22.86 | 46.65 | 35.47 | 25.13 |
| | | 30°C | 62.20 | 53.26 | 17.15 | 60.22 | 52.32 | 18.32 | 58.12 | 51.33 | 19.66 | 55.93 | 50.30 | 21.19 | 50.42 | 46.24 | 22.89 | 47.02 | 43.98 | 25.18 |
| | | 33°C | 63.18 | 63.18 | 17.23 | 61.56 | 61.56 | 18.43 | 59.86 | 59.86 | 19.82 | 58.05 | 58.05 | 21.39 | 52.76 | 52.76 | 23.15 | 49.66 | 49.66 | 25.50 |
| | 22°C | 27°C | 67.61 | 34.83 | 17.58 | 65.45 | 34.09 | 18.77 | 63.19 | 33.32 | 20.13 | 60.80 | 32.51 | 21.67 | 54.81 | 29.78 | 23.38 | 51.02 | 28.34 | 25.66 |
| | | 30°C | 67.77 | 43.25 | 17.60 | 65.61 | 42.39 | 18.78 | 63.36 | 41.49 | 20.14 | 60.98 | 40.55 | 21.68 | 54.99 | 37.19 | 23.40 | 51.22 | 35.45 | 25.68 |
| | | 33°C | 68.03 | 50.58 | 17.62 | 65.88 | 49.70 | 18.81 | 63.61 | 48.78 | 20.17 | 61.22 | 47.82 | 21.71 | 55.21 | 44.01 | 23.43 | 51.42 | 42.15 | 25.71 |
| | | 36°C | 68.27 | 57.83 | 17.64 | 66.10 | 56.94 | 18.83 | 63.87 | 55.92 | 20.20 | 61.66 | 54.74 | 21.75 | 55.89 | 50.60 | 23.50 | 52.55 | 48.25 | 25.85 |
| 7381 | 16°C | 21°C | 57.18 | 40.37 | 16.76 | 55.31 | 39.43 | 17.91 | 53.33 | 38.44 | 19.23 | 51.24 | 37.38 | 20.74 | 46.09 | 34.08 | 22.42 | 42.75 | 32.21 | 24.68 |
| | | 24°C | 57.55 | 48.11 | 16.79 | 55.68 | 47.14 | 17.94 | 53.70 | 46.12 | 19.26 | 51.59 | 45.03 | 20.77 | 46.39 | 41.26 | 22.46 | 43.04 | 39.27 | 24.71 |
| | | 27°C | 58.35 | 56.07 | 16.85 | 56.73 | 55.15 | 18.02 | 55.06 | 54.07 | 19.38 | 53.27 | 52.84 | 20.93 | 48.29 | 48.04 | 22.66 | 45.27 | 45.27 | 24.97 |
| | | 30°C | 61.74 | 61.74 | 17.12 | 60.11 | 60.11 | 18.31 | 58.38 | 58.38 | 19.68 | 56.54 | 56.54 | 21.25 | 51.31 | 51.31 | 22.99 | 48.19 | 48.19 | 25.32 |
| | 19°C | 24°C | 62.72 | 38.82 | 17.19 | 60.70 | 38.03 | 18.36 | 58.54 | 37.18 | 19.70 | 56.27 | 36.27 | 21.22 | 50.66 | 33.15 | 22.91 | 47.07 | 31.41 | 25.18 |
| | | 27°C | 63.04 | 45.44 | 17.22 | 61.02 | 44.54 | 18.38 | 58.86 | 43.59 | 19.73 | 56.59 | 42.59 | 21.25 | 50.95 | 39.05 | 22.95 | 47.35 | 37.20 | 25.22 |
| | | 30°C | 63.37 | 56.00 | 17.25 | 61.30 | 55.02 | 18.41 | 59.19 | 53.99 | 19.76 | 56.98 | 52.82 | 21.29 | 51.49 | 48.30 | 23.01 | 48.20 | 45.60 | 25.32 |
| | | 33°C | 65.23 | 65.23 | 17.39 | 63.54 | 63.54 | 18.60 | 61.76 | 61.76 | 20.00 | 59.86 | 59.86 | 21.57 | 54.39 | 54.39 | 23.33 | 51.16 | 51.16 | 25.68 |
| | 22°C | 27°C | 68.69 | 36.43 | 17.67 | 66.46 | 35.68 | 18.86 | 64.13 | 34.90 | 20.22 | 61.69 | 34.11 | 21.75 | 55.59 | 31.28 | 23.46 | 51.72 | 29.77 | 25.74 |
| | | 30°C | 68.91 | 45.31 | 17.69 | 66.70 | 44.41 | 18.88 | 64.39 | 43.49 | 20.24 | 61.95 | 42.51 | 21.78 | 55.84 | 39.01 | 23.49 | 51.98 | 37.22 | 25.77 |
| | | 33°C | 69.24 | 53.21 | 17.72 | 67.01 | 52.30 | 18.91 | 64.67 | 51.36 | 20.27 | 62.22 | 50.37 | 21.81 | 56.08 | 46.38 | 23.53 | 52.21 | 44.45 | 25.81 |
| | | 36°C | 69.59 | 60.93 | 17.74 | 67.50 | 59.81 | 18.95 | 65.38 | 58.49 | 20.34 | 63.26 | 56.97 | 21.92 | 57.51 | 52.38 | 23.69 | 54.18 | 49.74 | 26.06 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (grey shading) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: M4RT250AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 7200 | 16°C | 21°C | 66.61 | 48.86 | 22.91 | 64.50 | 47.79 | 24.48 | 62.26 | 46.64 | 26.31 | 59.85 | 45.43 | 28.39 | 53.86 | 41.47 | 30.71 | 50.03 | 39.23 | 33.82 |
| | | 24°C | 66.87 | 58.20 | 22.93 | 64.76 | 56.99 | 24.51 | 62.52 | 55.71 | 26.33 | 60.13 | 54.35 | 28.42 | 54.14 | 49.75 | 30.75 | 50.28 | 47.27 | 33.85 |
| | | 27°C | 67.12 | 66.99 | 22.96 | 65.07 | 65.07 | 24.53 | 62.88 | 62.88 | 26.37 | 60.65 | 60.65 | 28.47 | 54.90 | 54.90 | 30.84 | 51.52 | 51.52 | 34.02 |
| | | 30°C | 69.78 | 69.78 | 23.18 | 68.02 | 68.02 | 24.81 | 66.13 | 66.13 | 26.70 | 64.10 | 64.10 | 28.84 | 58.23 | 58.23 | 31.24 | 54.75 | 54.75 | 34.45 |
| | 19°C | 24°C | 73.18 | 46.16 | 23.48 | 70.91 | 45.16 | 25.08 | 68.47 | 44.09 | 26.93 | 65.89 | 42.97 | 29.03 | 59.36 | 39.28 | 31.38 | 55.18 | 37.27 | 34.51 |
| | | 27°C | 73.37 | 53.92 | 23.50 | 71.09 | 52.82 | 25.10 | 68.66 | 51.65 | 26.95 | 66.09 | 50.42 | 29.06 | 59.57 | 46.18 | 31.40 | 55.42 | 43.93 | 34.53 |
| | | 30°C | 73.65 | 65.81 | 23.52 | 71.33 | 64.61 | 25.13 | 68.88 | 63.36 | 26.98 | 66.29 | 62.04 | 29.09 | 59.77 | 57.04 | 31.44 | 55.64 | 54.53 | 34.57 |
| | | 33°C | 74.08 | 74.08 | 23.56 | 71.97 | 71.97 | 25.19 | 69.87 | 69.87 | 27.08 | 67.77 | 67.77 | 29.24 | 61.63 | 61.63 | 31.67 | 58.04 | 58.04 | 34.90 |
| | 22°C | 27°C | 80.30 | 43.37 | 24.12 | 77.76 | 42.41 | 25.75 | 75.12 | 41.42 | 27.63 | 72.34 | 40.39 | 29.75 | 65.24 | 36.96 | 32.12 | 60.74 | 35.10 | 35.27 |
| | | 30°C | 80.41 | 53.61 | 24.13 | 77.88 | 52.55 | 25.77 | 75.25 | 51.44 | 27.64 | 72.48 | 50.25 | 29.77 | 65.38 | 46.07 | 32.13 | 60.90 | 43.88 | 35.29 |
| | | 33°C | 80.63 | 62.47 | 24.15 | 78.11 | 61.35 | 25.79 | 75.48 | 60.19 | 27.67 | 72.70 | 58.97 | 29.80 | 65.59 | 54.24 | 32.17 | 61.11 | 51.90 | 35.32 |
| | | 36°C | 80.86 | 71.13 | 24.17 | 78.34 | 70.01 | 25.81 | 75.67 | 68.82 | 27.70 | 72.91 | 67.61 | 29.82 | 65.84 | 62.28 | 32.20 | 61.65 | 59.35 | 35.40 |
| 8000 | 16°C | 21°C | 68.01 | 50.83 | 23.03 | 65.83 | 49.75 | 24.60 | 63.49 | 48.56 | 26.43 | 61.01 | 47.24 | 28.51 | 54.90 | 43.08 | 30.84 | 50.95 | 40.72 | 33.94 |
| | | 24°C | 68.37 | 60.59 | 23.06 | 66.19 | 59.36 | 24.64 | 63.86 | 58.05 | 26.47 | 61.38 | 56.66 | 28.55 | 55.24 | 51.89 | 30.88 | 51.25 | 49.34 | 33.98 |
| | | 27°C | 68.84 | 68.84 | 23.10 | 66.80 | 66.80 | 24.69 | 64.71 | 64.71 | 26.55 | 62.62 | 62.62 | 28.68 | 56.79 | 56.79 | 31.07 | 53.27 | 53.27 | 34.25 |
| | | 30°C | 72.41 | 72.41 | 23.41 | 70.55 | 70.55 | 25.05 | 68.54 | 68.54 | 26.94 | 66.41 | 66.41 | 29.09 | 60.30 | 60.30 | 31.50 | 56.66 | 56.66 | 34.71 |
| | 19°C | 24°C | 74.68 | 47.98 | 23.61 | 72.31 | 46.97 | 25.22 | 69.77 | 45.89 | 27.07 | 67.09 | 44.76 | 29.17 | 60.42 | 40.95 | 31.51 | 56.18 | 38.90 | 34.63 |
| | | 27°C | 74.96 | 56.16 | 23.64 | 72.59 | 55.03 | 25.24 | 70.07 | 53.83 | 27.10 | 67.41 | 52.58 | 29.20 | 60.72 | 48.18 | 31.55 | 56.46 | 45.88 | 34.67 |
| | | 30°C | 75.30 | 68.89 | 23.67 | 72.89 | 67.67 | 25.28 | 70.35 | 66.39 | 27.14 | 67.70 | 65.07 | 29.24 | 61.03 | 59.80 | 31.59 | 56.92 | 56.88 | 34.74 |
| | | 33°C | 76.48 | 76.48 | 23.77 | 74.52 | 74.52 | 25.43 | 72.46 | 72.46 | 27.35 | 70.27 | 70.27 | 29.52 | 63.87 | 63.87 | 31.95 | 60.11 | 60.11 | 35.18 |
| | 22°C | 27°C | 81.84 | 45.04 | 24.26 | 79.22 | 44.09 | 25.90 | 76.49 | 43.10 | 27.78 | 73.60 | 42.06 | 29.90 | 66.35 | 38.52 | 32.26 | 61.76 | 36.65 | 35.41 |
| | | 30°C | 82.04 | 55.94 | 24.28 | 79.43 | 54.82 | 25.92 | 76.70 | 53.67 | 27.80 | 73.82 | 52.45 | 29.92 | 66.57 | 48.11 | 32.29 | 62.00 | 45.86 | 35.44 |
| | | 33°C | 82.35 | 65.42 | 24.31 | 79.75 | 64.29 | 25.95 | 77.00 | 63.09 | 27.84 | 74.11 | 61.85 | 29.96 | 66.84 | 56.93 | 32.33 | 62.25 | 54.52 | 35.48 |
| | | 36°C | 82.64 | 74.80 | 24.34 | 80.02 | 73.64 | 25.98 | 77.32 | 72.33 | 27.87 | 74.64 | 70.80 | 30.02 | 67.66 | 65.45 | 32.43 | 63.62 | 62.40 | 35.68 |
| 8800 | 16°C | 21°C | 69.22 | 52.21 | 23.13 | 66.95 | 51.00 | 24.71 | 64.55 | 49.72 | 26.54 | 62.03 | 48.35 | 28.62 | 55.79 | 44.08 | 30.94 | 51.75 | 41.67 | 34.05 |
| | | 24°C | 69.66 | 62.22 | 23.17 | 67.40 | 60.97 | 24.75 | 65.00 | 59.65 | 26.58 | 62.45 | 58.25 | 28.67 | 56.15 | 53.36 | 30.99 | 52.10 | 50.79 | 34.10 |
| | | 27°C | 70.64 | 70.64 | 23.25 | 68.67 | 68.67 | 24.87 | 66.65 | 66.65 | 26.75 | 64.48 | 64.48 | 28.88 | 58.45 | 58.45 | 31.27 | 54.80 | 54.80 | 34.45 |
| | | 30°C | 74.74 | 74.74 | 23.62 | 72.76 | 72.76 | 25.26 | 70.67 | 70.67 | 27.16 | 68.44 | 68.44 | 29.32 | 62.11 | 62.11 | 31.73 | 58.33 | 58.33 | 34.94 |
| | 19°C | 24°C | 75.92 | 50.21 | 23.73 | 73.47 | 49.18 | 25.33 | 70.87 | 48.09 | 27.18 | 68.11 | 46.92 | 29.28 | 61.33 | 42.87 | 31.62 | 56.98 | 40.62 | 34.75 |
| | | 27°C | 76.31 | 58.78 | 23.76 | 73.86 | 57.61 | 25.37 | 71.25 | 56.37 | 27.22 | 68.51 | 55.08 | 29.32 | 61.68 | 50.50 | 31.67 | 57.32 | 48.12 | 34.80 |
| | | 30°C | 76.71 | 72.43 | 23.80 | 74.20 | 71.16 | 25.41 | 71.65 | 69.83 | 27.27 | 68.98 | 68.32 | 29.38 | 62.33 | 62.33 | 31.75 | 58.35 | 58.35 | 34.94 |
| | | 33°C | 78.96 | 78.96 | 24.00 | 76.91 | 76.91 | 25.67 | 74.76 | 74.76 | 27.59 | 72.46 | 72.46 | 29.77 | 65.83 | 65.83 | 32.20 | 61.93 | 61.93 | 35.44 |
| | 22°C | 27°C | 83.14 | 47.12 | 24.38 | 80.45 | 46.15 | 26.02 | 77.63 | 45.15 | 27.90 | 74.67 | 44.12 | 30.02 | 67.30 | 40.46 | 32.38 | 62.61 | 38.50 | 35.52 |
| | | 30°C | 83.42 | 58.60 | 24.41 | 80.74 | 57.45 | 26.05 | 77.94 | 56.25 | 27.93 | 74.99 | 54.99 | 30.06 | 67.60 | 50.46 | 32.42 | 62.92 | 48.14 | 35.57 |
| | | 33°C | 83.82 | 68.82 | 24.45 | 81.11 | 67.64 | 26.09 | 78.29 | 66.42 | 27.97 | 75.32 | 65.15 | 30.10 | 67.88 | 59.99 | 32.47 | 63.20 | 57.50 | 35.62 |
| | | 36°C | 84.24 | 78.81 | 24.49 | 81.71 | 77.36 | 26.15 | 79.14 | 75.65 | 28.07 | 76.58 | 73.68 | 30.25 | 69.62 | 67.75 | 32.69 | 65.59 | 64.33 | 35.95 |

## Model: M4RT300AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 8640 | 16°C | 21°C | 81.96 | 60.12 | 29.93 | 79.36 | 58.80 | 31.99 | 76.60 | 57.39 | 34.38 | 73.64 | 55.90 | 37.10 | 66.27 | 51.03 | 40.14 | 61.56 | 48.28 | 44.19 |
| | | 24°C | 82.28 | 71.61 | 29.96 | 79.68 | 70.12 | 32.03 | 76.93 | 68.55 | 34.42 | 73.99 | 66.88 | 37.14 | 66.62 | 61.21 | 40.18 | 61.87 | 58.17 | 44.24 |
| | | 27°C | 82.58 | 82.43 | 30.00 | 80.06 | 80.06 | 32.06 | 77.37 | 77.37 | 34.46 | 74.63 | 74.63 | 37.21 | 67.55 | 67.55 | 40.30 | 63.40 | 63.40 | 44.46 |
| | | 30°C | 85.86 | 85.86 | 30.29 | 83.69 | 83.69 | 32.42 | 81.36 | 81.36 | 34.89 | 78.87 | 78.87 | 37.69 | 71.65 | 71.65 | 40.83 | 67.37 | 67.37 | 45.02 |
| | 19°C | 24°C | 90.05 | 56.80 | 30.69 | 87.25 | 55.56 | 32.78 | 84.25 | 54.25 | 35.20 | 81.07 | 52.87 | 37.94 | 73.03 | 48.33 | 41.01 | 67.90 | 45.86 | 45.09 |
| | | 27°C | 90.28 | 66.35 | 30.71 | 87.47 | 65.00 | 32.80 | 84.48 | 63.56 | 35.22 | 81.32 | 62.04 | 37.97 | 73.29 | 56.82 | 41.04 | 68.19 | 54.05 | 45.13 |
| | | 30°C | 90.63 | 80.97 | 30.74 | 87.77 | 79.50 | 32.84 | 84.76 | 77.96 | 35.26 | 81.56 | 76.34 | 38.01 | 73.54 | 70.18 | 41.08 | 68.46 | 67.10 | 45.18 |
| | | 33°C | 91.15 | 91.15 | 30.79 | 88.55 | 88.55 | 32.91 | 85.97 | 85.97 | 35.39 | 83.39 | 83.39 | 38.22 | 75.83 | 75.83 | 41.38 | 71.42 | 71.42 | 45.61 |
| | 22°C | 27°C | 98.80 | 53.36 | 31.52 | 95.68 | 52.18 | 33.66 | 92.43 | 50.97 | 36.11 | 89.00 | 49.70 | 38.88 | 80.28 | 45.47 | 41.97 | 74.74 | 43.19 | 46.09 |
| | | 30°C | 98.94 | 65.96 | 31.54 | 95.82 | 64.65 | 33.67 | 92.60 | 63.29 | 36.13 | 89.18 | 61.83 | 38.90 | 80.44 | 56.68 | 41.99 | 74.94 | 54.00 | 46.11 |
| | | 33°C | 99.21 | 76.86 | 31.56 | 96.11 | 75.49 | 33.70 | 92.87 | 74.06 | 36.16 | 89.45 | 72.56 | 38.94 | 80.70 | 66.74 | 42.04 | 75.20 | 63.86 | 46.16 |
| | | 36°C | 99.50 | 87.52 | 31.59 | 96.40 | 86.14 | 33.74 | 93.11 | 84.68 | 36.20 | 89.71 | 83.18 | 38.97 | 81.02 | 76.63 | 42.08 | 75.85 | 73.03 | 46.26 |
| 9600 | 16°C | 21°C | 83.69 | 62.54 | 30.09 | 81.00 | 61.21 | 32.15 | 78.11 | 59.75 | 34.54 | 75.06 | 58.12 | 37.26 | 67.55 | 53.01 | 40.30 | 62.70 | 50.10 | 44.35 |
| | | 24°C | 84.12 | 74.55 | 30.14 | 81.44 | 73.04 | 32.20 | 78.58 | 71.43 | 34.59 | 75.52 | 69.72 | 37.31 | 67.97 | 63.85 | 40.35 | 63.06 | 60.71 | 44.41 |
| | | 27°C | 84.70 | 84.70 | 30.19 | 82.19 | 82.19 | 32.27 | 79.62 | 79.62 | 34.70 | 77.05 | 77.05 | 37.48 | 69.88 | 69.88 | 40.60 | 65.55 | 65.55 | 44.76 |
| | | 30°C | 89.10 | 89.10 | 30.60 | 86.80 | 86.80 | 32.74 | 84.34 | 84.34 | 35.21 | 81.72 | 81.72 | 38.02 | 74.19 | 74.19 | 41.17 | 69.72 | 69.72 | 45.36 |
| | 19°C | 24°C | 91.88 | 59.04 | 30.86 | 88.98 | 57.79 | 32.95 | 85.85 | 56.47 | 35.38 | 82.55 | 55.07 | 38.12 | 74.34 | 50.39 | 41.18 | 69.12 | 47.86 | 45.26 |
| | | 27°C | 92.23 | 69.10 | 30.89 | 89.32 | 67.71 | 32.99 | 86.22 | 66.24 | 35.41 | 82.94 | 64.69 | 38.16 | 74.71 | 59.28 | 41.23 | 69.48 | 56.45 | 45.31 |
| | | 30°C | 92.65 | 84.76 | 30.93 | 89.69 | 83.26 | 33.04 | 86.56 | 81.69 | 35.46 | 83.30 | 80.06 | 38.21 | 75.10 | 73.58 | 41.28 | 70.04 | 69.99 | 45.41 |
| | | 33°C | 94.10 | 94.10 | 31.07 | 91.70 | 91.70 | 33.24 | 89.16 | 89.16 | 35.74 | 86.46 | 86.46 | 38.58 | 78.59 | 78.59 | 41.75 | 73.97 | 73.97 | 45.98 |
| | 22°C | 27°C | 100.70 | 55.42 | 31.71 | 97.48 | 54.25 | 33.85 | 94.11 | 53.03 | 36.30 | 90.56 | 51.75 | 39.07 | 81.64 | 47.40 | 42.16 | 75.99 | 45.10 | 46.27 |
| | | 30°C | 100.94 | 68.83 | 31.73 | 97.73 | 67.46 | 33.87 | 94.38 | 66.03 | 36.33 | 90.83 | 64.54 | 39.10 | 81.91 | 59.19 | 42.19 | 76.28 | 56.42 | 46.31 |
| | | 33°C | 101.33 | 80.50 | 31.77 | 98.12 | 79.10 | 33.92 | 94.74 | 77.63 | 36.38 | 91.19 | 76.10 | 39.15 | 82.24 | 70.04 | 42.25 | 76.59 | 67.08 | 46.37 |
| | | 36°C | 101.69 | 92.03 | 31.81 | 98.46 | 90.61 | 33.96 | 95.14 | 89.00 | 36.42 | 91.84 | 87.11 | 39.23 | 83.25 | 80.53 | 42.38 | 78.28 | 76.78 | 46.62 |
| 10560 | 16°C | 21°C | 85.17 | 64.25 | 30.23 | 82.38 | 62.76 | 32.29 | 79.43 | 61.17 | 34.68 | 76.32 | 59.49 | 37.40 | 68.64 | 54.24 | 40.44 | 63.67 | 51.27 | 44.50 |
| | | 24°C | 85.72 | 76.56 | 30.28 | 82.93 | 75.02 | 32.35 | 79.98 | 73.40 | 34.74 | 76.84 | 71.67 | 37.46 | 69.09 | 65.66 | 40.50 | 64.11 | 62.50 | 44.56 |
| | | 27°C | 86.92 | 86.92 | 30.39 | 84.50 | 84.50 | 32.50 | 82.01 | 82.01 | 34.96 | 79.34 | 79.34 | 37.75 | 71.92 | 71.92 | 40.87 | 67.43 | 67.43 | 45.03 |
| | | 30°C | 91.96 | 91.96 | 30.87 | 89.53 | 89.53 | 33.02 | 86.95 | 86.95 | 35.50 | 84.21 | 84.21 | 38.31 | 76.42 | 76.42 | 41.46 | 71.77 | 71.77 | 45.66 |
| | 19°C | 24°C | 93.42 | 61.78 | 31.01 | 90.41 | 60.52 | 33.10 | 87.20 | 59.17 | 35.52 | 83.81 | 57.73 | 38.27 | 75.46 | 52.75 | 41.32 | 70.11 | 49.98 | 45.41 |
| | | 27°C | 93.89 | 72.32 | 31.05 | 90.88 | 70.89 | 33.15 | 87.66 | 69.36 | 35.58 | 84.29 | 67.78 | 38.32 | 75.89 | 62.14 | 41.39 | 70.53 | 59.21 | 45.47 |
| | | 30°C | 94.38 | 89.12 | 31.10 | 91.30 | 87.56 | 33.21 | 88.16 | 85.92 | 35.64 | 84.87 | 84.07 | 38.39 | 76.69 | 76.69 | 41.50 | 71.79 | 71.79 | 45.66 |
| | | 33°C | 97.15 | 97.15 | 31.36 | 94.64 | 94.64 | 33.55 | 91.99 | 91.99 | 36.06 | 89.16 | 89.16 | 38.91 | 81.01 | 81.01 | 42.08 | 76.20 | 76.20 | 46.31 |
| | 22°C | 27°C | 102.30 | 57.97 | 31.86 | 98.99 | 56.79 | 34.01 | 95.51 | 55.55 | 36.46 | 91.88 | 54.29 | 39.23 | 82.80 | 49.78 | 42.32 | 77.04 | 47.37 | 46.42 |
| | | 30°C | 102.64 | 72.10 | 31.90 | 99.35 | 70.68 | 34.05 | 95.90 | 69.21 | 36.50 | 92.28 | 67.66 | 39.28 | 83.17 | 62.09 | 42.37 | 77.42 | 59.23 | 46.48 |
| | | 33°C | 103.13 | 84.68 | 31.95 | 99.81 | 83.23 | 34.10 | 96.33 | 81.73 | 36.56 | 92.68 | 80.16 | 39.34 | 83.53 | 73.82 | 42.43 | 77.76 | 70.75 | 46.54 |
| | | 36°C | 103.65 | 96.98 | 32.00 | 100.54 | 95.18 | 34.17 | 97.38 | 93.09 | 36.68 | 94.23 | 90.66 | 39.53 | 85.66 | 83.36 | 42.72 | 80.70 | 79.16 | 46.99 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. (shaded) shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

## Model: M4RT360AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 9900 | 16°C | 21°C | 99.91 | 78.93 | 33.86 | 96.75 | 77.19 | 36.19 | 93.39 | 75.35 | 38.89 | 89.78 | 73.39 | 41.97 | 80.79 | 67.00 | 45.41 | 75.04 | 63.38 | 50.00 |
| | | 24°C | 100.30 | 94.02 | 33.90 | 97.14 | 92.06 | 36.23 | 93.78 | 90.00 | 38.93 | 90.20 | 87.80 | 42.01 | 81.22 | 80.36 | 45.46 | 75.43 | 75.43 | 50.05 |
| | | 27°C | 100.67 | 100.67 | 33.94 | 97.60 | 97.60 | 36.27 | 94.33 | 94.33 | 38.98 | 90.98 | 90.98 | 42.10 | 82.35 | 82.35 | 45.60 | 77.29 | 77.29 | 50.29 |
| | | 30°C | 104.67 | 104.67 | 34.27 | 102.03 | 102.03 | 36.68 | 99.19 | 99.19 | 39.47 | 96.15 | 96.15 | 42.64 | 87.35 | 87.35 | 46.19 | 82.13 | 82.13 | 50.93 |
| | 19°C | 24°C | 109.78 | 74.57 | 34.72 | 106.37 | 72.95 | 37.08 | 102.71 | 71.22 | 39.82 | 98.83 | 69.41 | 42.92 | 89.03 | 63.45 | 46.39 | 82.78 | 60.21 | 51.01 |
| | | 27°C | 110.06 | 87.11 | 34.74 | 106.63 | 85.33 | 37.11 | 102.99 | 83.44 | 39.85 | 99.14 | 81.45 | 42.96 | 89.35 | 74.60 | 46.43 | 83.13 | 70.96 | 51.05 |
| | | 30°C | 110.48 | 106.30 | 34.78 | 107.00 | 104.38 | 37.15 | 103.33 | 102.35 | 39.89 | 99.43 | 99.43 | 43.00 | 89.66 | 89.66 | 46.48 | 83.46 | 83.46 | 51.11 |
| | | 33°C | 111.12 | 111.12 | 34.83 | 107.95 | 107.95 | 37.24 | 104.81 | 104.81 | 40.04 | 101.66 | 101.66 | 43.24 | 92.45 | 92.45 | 46.82 | 87.06 | 87.06 | 51.59 |
| | 22°C | 27°C | 120.45 | 70.06 | 35.66 | 116.64 | 68.51 | 38.08 | 112.68 | 66.92 | 40.85 | 108.50 | 65.25 | 43.99 | 97.86 | 59.70 | 47.49 | 91.11 | 56.71 | 52.14 |
| | | 30°C | 120.61 | 86.60 | 35.68 | 116.82 | 84.88 | 38.09 | 112.88 | 83.09 | 40.87 | 108.71 | 81.17 | 44.01 | 98.07 | 74.41 | 47.51 | 91.36 | 70.89 | 52.17 |
| | | 33°C | 120.95 | 100.91 | 35.71 | 117.17 | 99.11 | 38.13 | 113.22 | 97.23 | 40.91 | 109.04 | 95.27 | 44.05 | 98.38 | 87.62 | 47.56 | 91.67 | 83.84 | 52.22 |
| | | 36°C | 121.29 | 114.91 | 35.74 | 117.52 | 113.09 | 38.16 | 113.51 | 111.18 | 40.95 | 109.36 | 109.21 | 44.09 | 98.77 | 98.77 | 47.60 | 92.47 | 92.47 | 52.33 |
| 11000 | 16°C | 21°C | 102.02 | 82.11 | 34.05 | 98.75 | 80.36 | 36.37 | 95.23 | 78.44 | 39.08 | 91.51 | 76.31 | 42.15 | 82.35 | 69.59 | 45.59 | 76.43 | 65.78 | 50.18 |
| | | 24°C | 102.55 | 97.88 | 34.09 | 99.28 | 95.89 | 36.43 | 95.79 | 93.78 | 39.13 | 92.07 | 91.53 | 42.21 | 82.86 | 82.86 | 45.65 | 76.88 | 76.88 | 50.24 |
| | | 27°C | 103.26 | 103.26 | 34.15 | 100.20 | 100.20 | 36.51 | 97.07 | 97.07 | 39.26 | 93.93 | 93.93 | 42.41 | 85.19 | 85.19 | 45.93 | 79.91 | 79.91 | 50.64 |
| | | 30°C | 108.62 | 108.62 | 34.61 | 105.82 | 105.82 | 37.03 | 102.82 | 102.82 | 39.83 | 99.62 | 99.62 | 43.01 | 90.45 | 90.45 | 46.57 | 84.99 | 84.99 | 51.31 |
| | 19°C | 24°C | 112.01 | 77.51 | 34.91 | 108.47 | 75.88 | 37.28 | 104.66 | 74.13 | 40.02 | 100.64 | 72.31 | 43.12 | 90.63 | 66.16 | 46.59 | 84.27 | 62.83 | 51.20 |
| | | 27°C | 112.44 | 90.72 | 34.95 | 108.89 | 88.90 | 37.32 | 105.10 | 86.96 | 40.06 | 101.11 | 84.93 | 43.17 | 91.08 | 77.83 | 46.64 | 84.70 | 74.11 | 51.26 |
| | | 30°C | 112.95 | 111.28 | 35.00 | 109.34 | 109.31 | 37.37 | 105.52 | 105.52 | 40.12 | 101.55 | 101.55 | 43.23 | 91.55 | 91.55 | 46.70 | 85.38 | 85.38 | 51.37 |
| | | 33°C | 114.72 | 114.72 | 35.15 | 111.79 | 111.79 | 37.60 | 108.69 | 108.69 | 40.44 | 105.40 | 105.40 | 43.65 | 95.80 | 95.80 | 47.23 | 90.17 | 90.17 | 52.02 |
| | 22°C | 27°C | 122.77 | 72.76 | 35.87 | 118.83 | 71.22 | 38.29 | 114.73 | 69.62 | 41.07 | 110.40 | 67.94 | 44.20 | 99.53 | 62.22 | 47.69 | 92.64 | 59.21 | 52.35 |
| | | 30°C | 123.06 | 90.37 | 35.90 | 119.14 | 88.56 | 38.32 | 115.05 | 86.69 | 41.10 | 110.73 | 84.73 | 44.24 | 99.86 | 77.71 | 47.73 | 93.00 | 74.08 | 52.39 |
| | | 33°C | 123.53 | 105.68 | 35.94 | 119.62 | 103.85 | 38.37 | 115.50 | 101.92 | 41.15 | 111.16 | 99.91 | 44.30 | 100.25 | 91.96 | 47.79 | 93.37 | 88.07 | 52.45 |
| | | 36°C | 123.96 | 120.83 | 35.98 | 120.03 | 118.96 | 38.41 | 115.98 | 115.98 | 41.21 | 111.96 | 111.96 | 44.38 | 101.49 | 101.49 | 47.95 | 95.43 | 95.43 | 52.74 |
| 12100 | 16°C | 21°C | 103.83 | 84.35 | 34.20 | 100.43 | 82.39 | 36.53 | 96.83 | 80.31 | 39.24 | 93.04 | 78.11 | 42.31 | 83.68 | 71.21 | 45.75 | 77.62 | 67.31 | 50.34 |
| | | 24°C | 104.50 | 100.52 | 34.26 | 101.10 | 98.49 | 36.60 | 97.50 | 96.36 | 39.30 | 93.67 | 93.67 | 42.38 | 84.23 | 84.23 | 45.82 | 78.16 | 78.16 | 50.41 |
| | | 27°C | 105.96 | 105.96 | 34.38 | 103.01 | 103.01 | 36.77 | 99.98 | 99.98 | 39.55 | 96.73 | 96.73 | 42.70 | 87.68 | 87.68 | 46.23 | 82.21 | 82.21 | 50.94 |
| | | 30°C | 112.11 | 112.11 | 34.92 | 109.14 | 109.14 | 37.35 | 106.01 | 106.01 | 40.16 | 102.66 | 102.66 | 43.34 | 93.16 | 93.16 | 46.90 | 87.50 | 87.50 | 51.65 |
| | 19°C | 24°C | 113.88 | 81.11 | 35.08 | 110.21 | 79.45 | 37.45 | 106.30 | 77.69 | 40.19 | 102.17 | 75.79 | 43.29 | 91.99 | 69.26 | 46.75 | 85.47 | 65.62 | 51.37 |
| | | 27°C | 114.46 | 94.95 | 35.13 | 110.80 | 93.07 | 37.51 | 106.87 | 91.07 | 40.25 | 102.76 | 88.98 | 43.35 | 92.52 | 81.58 | 46.82 | 85.98 | 77.74 | 51.44 |
| | | 30°C | 115.06 | 115.06 | 35.18 | 111.30 | 111.30 | 37.57 | 107.48 | 107.48 | 40.31 | 103.46 | 103.46 | 43.43 | 93.49 | 93.49 | 46.94 | 87.52 | 87.52 | 51.66 |
| | | 33°C | 118.44 | 118.44 | 35.48 | 115.37 | 115.37 | 37.95 | 112.14 | 112.14 | 40.80 | 108.70 | 108.70 | 44.01 | 98.75 | 98.75 | 47.60 | 92.90 | 92.90 | 52.39 |
| | 22°C | 27°C | 124.72 | 76.11 | 36.05 | 120.68 | 74.56 | 38.47 | 116.44 | 72.93 | 41.25 | 112.01 | 71.27 | 44.38 | 100.95 | 65.36 | 47.87 | 93.91 | 62.19 | 52.52 |
| | | 30°C | 125.13 | 94.66 | 36.09 | 121.11 | 92.80 | 38.52 | 116.91 | 90.86 | 41.30 | 112.49 | 88.83 | 44.44 | 101.40 | 81.51 | 47.93 | 94.38 | 77.76 | 52.58 |
| | | 33°C | 125.73 | 111.17 | 36.14 | 121.67 | 109.27 | 38.57 | 117.43 | 107.30 | 41.36 | 112.98 | 105.24 | 44.50 | 101.83 | 96.91 | 48.00 | 94.79 | 92.88 | 52.66 |
| | | 36°C | 126.36 | 126.36 | 36.20 | 122.57 | 122.57 | 38.66 | 118.71 | 118.71 | 41.49 | 114.87 | 114.87 | 44.72 | 104.43 | 104.43 | 48.33 | 98.38 | 98.38 | 53.16 |

## Model: M4RT420AR

| AFR (CFM) | EWB | EDB | Outdoor temperature | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 19°C | | | 25°C | | | 30°C | | | 35°C | | | 40°C | | | 46°C | | |
| | | | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI | TC | SHC | PI |
| 11250 | 16°C | 21°C | 108.31 | 85.57 | 37.81 | 104.89 | 83.68 | 40.41 | 101.24 | 81.68 | 43.42 | 97.32 | 79.56 | 46.86 | 87.58 | 72.63 | 50.70 | 81.35 | 68.71 | 55.82 |
| | | 24°C | 108.74 | 101.92 | 37.85 | 105.31 | 99.80 | 40.45 | 101.66 | 97.56 | 43.47 | 97.78 | 95.18 | 46.91 | 88.04 | 87.12 | 50.75 | 81.77 | 81.77 | 55.88 |
| | | 27°C | 109.14 | 109.14 | 37.89 | 105.81 | 105.81 | 40.50 | 102.25 | 102.25 | 43.53 | 98.63 | 98.63 | 47.00 | 89.28 | 89.28 | 50.91 | 83.78 | 83.78 | 56.15 |
| | | 30°C | 113.47 | 113.47 | 38.26 | 110.61 | 110.61 | 40.95 | 107.53 | 107.53 | 44.07 | 104.23 | 104.23 | 47.61 | 94.69 | 94.69 | 51.58 | 89.03 | 89.03 | 56.87 |
| | 19°C | 24°C | 119.01 | 80.84 | 38.76 | 115.31 | 79.08 | 41.40 | 111.34 | 77.21 | 44.46 | 107.14 | 75.24 | 47.92 | 96.52 | 68.78 | 51.79 | 89.74 | 65.27 | 56.96 |
| | | 27°C | 119.31 | 94.43 | 38.79 | 115.59 | 92.50 | 41.43 | 111.65 | 90.46 | 44.49 | 107.47 | 88.30 | 47.96 | 96.86 | 80.87 | 51.84 | 90.12 | 76.93 | 57.00 |
| | | 30°C | 119.77 | 115.24 | 38.83 | 115.99 | 113.15 | 41.48 | 112.01 | 110.96 | 44.54 | 107.79 | 107.79 | 48.02 | 97.19 | 97.19 | 51.89 | 90.48 | 90.48 | 57.06 |
| | | 33°C | 120.47 | 120.47 | 38.89 | 117.03 | 117.03 | 41.57 | 113.62 | 113.62 | 44.70 | 110.20 | 110.20 | 48.27 | 100.22 | 100.22 | 52.27 | 94.38 | 94.38 | 57.61 |
| | 22°C | 27°C | 130.57 | 75.95 | 39.81 | 126.44 | 74.27 | 42.51 | 122.15 | 72.54 | 45.61 | 117.62 | 70.74 | 49.11 | 106.09 | 64.72 | 53.02 | 98.77 | 61.47 | 58.22 |
| | | 30°C | 130.75 | 93.88 | 39.83 | 126.64 | 92.02 | 42.53 | 122.37 | 90.08 | 45.63 | 117.85 | 88.00 | 49.14 | 106.31 | 80.67 | 53.04 | 99.04 | 76.85 | 58.25 |
| | | 33°C | 131.12 | 109.40 | 39.87 | 127.02 | 107.44 | 42.57 | 122.73 | 105.41 | 45.68 | 118.21 | 103.28 | 49.19 | 106.65 | 94.99 | 53.10 | 99.38 | 90.88 | 58.30 |
| | | 36°C | 131.49 | 124.57 | 39.91 | 127.39 | 122.60 | 42.61 | 123.05 | 120.52 | 45.72 | 118.56 | 118.39 | 49.23 | 107.07 | 107.07 | 53.15 | 100.25 | 100.25 | 58.43 |
| 12500 | 16°C | 21°C | 110.60 | 89.01 | 38.01 | 107.05 | 87.12 | 40.61 | 103.23 | 85.03 | 43.63 | 99.20 | 82.72 | 47.07 | 89.28 | 75.44 | 50.90 | 82.86 | 71.30 | 56.02 |
| | | 24°C | 111.17 | 106.11 | 38.07 | 107.63 | 103.95 | 40.67 | 103.85 | 101.66 | 43.69 | 99.81 | 99.22 | 47.13 | 89.82 | 89.82 | 50.97 | 83.34 | 83.34 | 56.10 |
| | | 27°C | 111.94 | 111.94 | 38.13 | 108.62 | 108.62 | 40.76 | 105.23 | 105.23 | 43.83 | 101.83 | 101.83 | 47.35 | 92.35 | 92.35 | 51.28 | 86.63 | 86.63 | 56.54 |
| | | 30°C | 117.75 | 117.75 | 38.65 | 114.72 | 114.72 | 41.35 | 111.46 | 111.46 | 44.48 | 107.99 | 107.99 | 48.03 | 98.05 | 98.05 | 52.00 | 92.14 | 92.14 | 57.29 |
| | 19°C | 24°C | 121.43 | 84.02 | 38.98 | 117.59 | 82.25 | 41.62 | 113.46 | 80.36 | 44.68 | 109.10 | 78.38 | 48.14 | 98.24 | 71.72 | 52.02 | 91.35 | 68.11 | 57.17 |
| | | 27°C | 121.89 | 98.35 | 39.02 | 118.04 | 96.37 | 41.67 | 113.94 | 94.27 | 44.73 | 109.61 | 92.07 | 48.20 | 98.73 | 84.37 | 52.08 | 91.82 | 80.34 | 57.23 |
| | | 30°C | 122.44 | 120.63 | 39.07 | 118.53 | 118.50 | 41.73 | 114.39 | 114.39 | 44.79 | 110.09 | 110.09 | 48.26 | 99.25 | 99.25 | 52.14 | 92.56 | 92.56 | 57.35 |
| | | 33°C | 124.36 | 124.36 | 39.24 | 121.18 | 121.18 | 41.98 | 117.83 | 117.83 | 45.15 | 114.26 | 114.26 | 48.73 | 103.86 | 103.86 | 52.74 | 97.75 | 97.75 | 58.08 |
| | 22°C | 27°C | 133.09 | 78.88 | 40.05 | 128.82 | 77.20 | 42.75 | 124.38 | 75.47 | 45.85 | 119.68 | 73.65 | 49.35 | 107.89 | 67.46 | 53.25 | 100.43 | 64.19 | 58.44 |
| | | 30°C | 133.40 | 97.96 | 40.08 | 129.15 | 96.01 | 42.79 | 124.72 | 93.98 | 45.89 | 120.04 | 91.85 | 49.39 | 108.25 | 84.24 | 53.30 | 100.81 | 80.30 | 58.50 |
| | | 33°C | 133.92 | 114.57 | 40.13 | 129.68 | 112.58 | 42.84 | 125.21 | 110.49 | 45.95 | 120.51 | 108.31 | 49.46 | 108.68 | 99.69 | 53.36 | 101.22 | 95.47 | 58.57 |
| | | 36°C | 134.38 | 130.99 | 40.18 | 130.12 | 128.96 | 42.89 | 125.73 | 125.73 | 46.01 | 121.38 | 121.38 | 49.55 | 110.02 | 110.02 | 53.54 | 103.45 | 103.45 | 58.89 |
| 13750 | 16°C | 21°C | 112.55 | 91.44 | 38.18 | 108.87 | 89.32 | 40.79 | 104.97 | 87.06 | 43.81 | 100.86 | 84.67 | 47.24 | 90.72 | 77.20 | 51.08 | 84.15 | 72.97 | 56.21 |
| | | 24°C | 113.28 | 108.96 | 38.25 | 109.59 | 106.77 | 40.86 | 105.70 | 104.46 | 43.88 | 101.54 | 101.54 | 47.32 | 91.31 | 91.31 | 51.16 | 84.72 | 84.72 | 56.28 |
| | | 27°C | 114.86 | 114.86 | 38.38 | 111.67 | 111.67 | 41.06 | 108.38 | 108.38 | 44.15 | 104.86 | 104.86 | 47.68 | 95.05 | 95.05 | 51.62 | 89.12 | 89.12 | 56.87 |
| | | 30°C | 121.53 | 121.53 | 38.99 | 118.32 | 118.32 | 41.70 | 114.92 | 114.92 | 44.84 | 111.29 | 111.29 | 48.39 | 100.99 | 100.99 | 52.37 | 94.85 | 94.85 | 57.67 |
| | 19°C | 24°C | 123.46 | 87.93 | 39.16 | 119.48 | 86.13 | 41.81 | 115.24 | 84.22 | 44.87 | 110.76 | 82.16 | 48.34 | 99.72 | 75.08 | 52.19 | 92.65 | 71.14 | 57.35 |
| | | 27°C | 124.08 | 102.93 | 39.22 | 120.11 | 100.89 | 41.88 | 115.85 | 98.72 | 44.94 | 111.40 | 96.46 | 48.41 | 100.30 | 88.44 | 52.28 | 93.20 | 84.27 | 57.44 |
| | | 30°C | 124.73 | 124.73 | 39.28 | 120.66 | 120.66 | 41.94 | 116.51 | 116.51 | 45.01 | 112.16 | 112.16 | 48.49 | 101.35 | 101.35 | 52.41 | 94.88 | 94.88 | 57.68 |
| | | 33°C | 128.39 | 128.39 | 39.62 | 125.07 | 125.07 | 42.37 | 121.57 | 121.57 | 45.55 | 117.84 | 117.84 | 49.14 | 107.05 | 107.05 | 53.15 | 100.71 | 100.71 | 58.49 |
| | 22°C | 27°C | 135.20 | 82.51 | 40.25 | 130.83 | 80.82 | 42.95 | 126.23 | 79.06 | 46.05 | 121.43 | 77.26 | 49.55 | 109.43 | 70.85 | 53.45 | 101.81 | 67.42 | 58.64 |
| | | 30°C | 135.65 | 102.62 | 40.29 | 131.29 | 100.60 | 43.00 | 126.74 | 98.50 | 46.11 | 121.95 | 96.30 | 49.61 | 109.92 | 88.37 | 53.51 | 102.31 | 84.30 | 58.71 |
| | | 33°C | 136.30 | 120.51 | 40.36 | 131.90 | 118.46 | 43.07 | 127.31 | 116.32 | 46.18 | 122.48 | 114.09 | 49.69 | 110.39 | 105.06 | 53.59 | 102.76 | 100.69 | 58.79 |
| | | 36°C | 136.98 | 136.98 | 40.42 | 132.87 | 132.87 | 43.16 | 128.69 | 128.69 | 46.33 | 124.53 | 124.53 | 49.93 | 113.21 | 113.21 | 53.96 | 106.65 | 106.65 | 59.35 |

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (˚C)
EDB: Entering Dry Bulb Temp. (˚C)

TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.

# R407C Model

### (HEAT PUMP)

### Heating Mode

## Model: M4RT080AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 15.78 | 5.70 | 23.16 | 6.84 | 27.19 | 7.47 | 29.20 | 7.78 | 31.21 | 8.09 |
| 17 | 15.51 | 5.93 | 22.96 | 7.08 | 26.46 | 7.70 | 28.39 | 8.02 | 30.32 | 8.33 |
| 19 | 15.24 | 6.15 | 22.77 | 7.31 | 25.73 | 7.94 | 27.58 | 8.26 | 29.44 | 8.57 |
| 21 | 14.97 | 6.37 | 22.57 | 7.54 | 25.01 | 8.18 | 26.78 | 8.49 | 28.55 | 8.81 |
| 23 | 14.70 | 6.60 | 21.61 | 7.77 | 24.28 | 8.41 | 25.97 | 8.73 | 27.66 | 9.05 |
| 25 | 14.42 | 6.82 | 20.66 | 8.00 | 23.55 | 8.65 | 25.16 | 8.97 | 26.77 | 9.30 |
| 27 | 14.15 | 7.04 | 19.71 | 8.24 | 22.83 | 8.89 | 24.36 | 9.21 | 25.89 | 9.54 |

## Model: M4RT100AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 19.82 | 7.42 | 30.32 | 8.90 | 36.05 | 9.71 | 38.91 | 10.12 | 41.77 | 10.52 |
| 17 | 19.47 | 7.71 | 30.18 | 9.21 | 35.08 | 10.02 | 37.83 | 10.43 | 40.58 | 10.84 |
| 19 | 19.12 | 8.00 | 30.04 | 9.51 | 34.11 | 10.33 | 36.75 | 10.74 | 39.40 | 11.15 |
| 21 | 18.76 | 8.29 | 29.89 | 9.81 | 33.14 | 10.64 | 35.67 | 11.05 | 38.21 | 11.47 |
| 23 | 18.41 | 8.58 | 28.50 | 10.11 | 32.17 | 10.95 | 34.59 | 11.36 | 37.02 | 11.78 |
| 25 | 18.06 | 8.87 | 27.11 | 10.41 | 31.20 | 11.25 | 33.52 | 11.67 | 35.83 | 12.10 |
| 27 | 17.71 | 9.16 | 25.71 | 10.72 | 30.23 | 11.56 | 32.44 | 11.99 | 34.65 | 12.41 |

## Model: M4RT120AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 20.68 | 8.69 | 35.43 | 10.43 | 43.47 | 11.38 | 47.49 | 11.85 | 51.51 | 12.32 |
| 17 | 20.28 | 9.03 | 34.97 | 10.78 | 42.28 | 11.74 | 46.16 | 12.21 | 50.04 | 12.69 |
| 19 | 19.89 | 9.37 | 34.51 | 11.14 | 41.09 | 12.10 | 44.84 | 12.58 | 48.58 | 13.06 |
| 21 | 19.49 | 9.71 | 34.05 | 11.49 | 39.91 | 12.46 | 43.51 | 12.94 | 47.11 | 13.43 |
| 23 | 19.09 | 10.05 | 32.67 | 11.84 | 38.72 | 12.82 | 42.19 | 13.31 | 45.65 | 13.80 |
| 25 | 18.69 | 10.39 | 31.29 | 12.20 | 37.53 | 13.18 | 40.86 | 13.67 | 44.18 | 14.17 |
| 27 | 18.29 | 10.73 | 29.90 | 12.55 | 36.35 | 13.54 | 39.53 | 14.04 | 42.72 | 14.53 |

## Model: M4RT150AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 37.21 | 11.88 | 51.52 | 14.26 | 59.33 | 15.55 | 63.23 | 16.20 | 67.14 | 16.85 |
| 17 | 36.60 | 12.35 | 49.98 | 14.74 | 57.76 | 16.05 | 61.49 | 16.70 | 65.23 | 17.35 |
| 19 | 35.98 | 12.81 | 48.44 | 15.23 | 56.19 | 16.54 | 59.76 | 17.20 | 63.32 | 17.86 |
| 21 | 35.37 | 13.28 | 46.89 | 15.71 | 54.62 | 17.04 | 58.02 | 17.70 | 61.42 | 18.36 |
| 23 | 34.75 | 13.74 | 45.99 | 16.19 | 53.05 | 17.53 | 56.28 | 18.20 | 59.51 | 18.87 |
| 25 | 34.13 | 14.21 | 45.08 | 16.68 | 51.48 | 18.02 | 54.54 | 18.70 | 57.60 | 19.37 |
| 27 | 33.52 | 14.68 | 44.17 | 17.16 | 49.91 | 18.52 | 52.80 | 19.20 | 55.69 | 19.87 |

## Model: M4RT200AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 49.63 | 15.35 | 77.29 | 18.42 | 92.39 | 20.10 | 99.93 | 20.94 | 107.48 | 21.77 |
| 17 | 48.73 | 15.96 | 74.00 | 19.05 | 89.89 | 20.74 | 97.16 | 21.58 | 104.42 | 22.42 |
| 19 | 47.84 | 16.56 | 70.70 | 19.67 | 87.40 | 21.37 | 94.38 | 22.23 | 101.37 | 23.08 |
| 21 | 46.95 | 17.16 | 67.41 | 20.30 | 84.91 | 22.01 | 91.61 | 22.87 | 98.31 | 23.73 |
| 23 | 46.06 | 17.76 | 66.92 | 20.93 | 82.42 | 22.65 | 88.84 | 23.51 | 95.26 | 24.38 |
| 25 | 45.16 | 18.36 | 66.44 | 21.55 | 79.93 | 23.29 | 86.07 | 24.16 | 92.20 | 25.03 |
| 27 | 44.27 | 18.96 | 65.95 | 22.18 | 77.44 | 23.93 | 83.29 | 24.80 | 89.14 | 25.68 |

Remarks:
TC = Total Cooling Capacity (kW)
PI = Power Input (kW)

## Model: M4RT250AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 51.44 | 19.83 | 75.04 | 23.80 | 87.91 | 25.96 | 94.35 | 27.04 | 100.78 | 28.12 |
| 17 | 50.56 | 20.61 | 74.94 | 24.60 | 85.57 | 26.78 | 91.74 | 27.87 | 97.92 | 28.96 |
| 19 | 49.68 | 21.39 | 74.84 | 25.41 | 83.22 | 27.61 | 89.14 | 28.71 | 95.06 | 29.80 |
| 21 | 48.79 | 22.16 | 74.74 | 26.22 | 80.87 | 28.43 | 86.53 | 29.54 | 92.19 | 30.65 |
| 23 | 47.91 | 22.94 | 71.09 | 27.03 | 78.52 | 29.26 | 83.93 | 30.37 | 89.33 | 31.49 |
| 25 | 47.03 | 23.72 | 67.44 | 27.84 | 76.18 | 30.08 | 81.32 | 31.20 | 86.47 | 32.33 |
| 27 | 46.14 | 24.49 | 63.79 | 28.64 | 73.83 | 30.91 | 78.72 | 32.04 | 83.60 | 33.17 |

## Model: M4RT300AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 68.09 | 26.30 | 103.85 | 31.57 | 123.35 | 34.44 | 133.11 | 35.87 | 142.86 | 37.31 |
| 17 | 66.89 | 27.34 | 100.01 | 32.64 | 120.04 | 35.53 | 129.42 | 36.97 | 138.80 | 38.42 |
| 19 | 65.68 | 28.37 | 96.16 | 33.71 | 116.72 | 36.62 | 125.73 | 38.08 | 134.74 | 39.54 |
| 21 | 64.47 | 29.40 | 92.32 | 34.78 | 113.41 | 37.72 | 122.04 | 39.18 | 130.68 | 40.65 |
| 23 | 63.27 | 30.43 | 91.09 | 35.85 | 110.09 | 38.81 | 118.35 | 40.29 | 126.62 | 41.77 |
| 25 | 62.06 | 31.46 | 89.86 | 36.92 | 106.77 | 39.90 | 114.67 | 41.39 | 122.56 | 42.88 |
| 27 | 60.85 | 32.49 | 88.62 | 37.99 | 103.46 | 41.00 | 110.98 | 42.50 | 118.50 | 44.00 |

## Model: M4RT360AR

| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 64.14 | 31.52 | 109.36 | 37.82 | 134.03 | 41.26 | 146.36 | 42.98 | 158.69 | 44.70 |
| 17 | 62.91 | 32.75 | 105.38 | 39.10 | 130.37 | 42.57 | 142.28 | 44.30 | 154.18 | 46.03 |
| 19 | 61.68 | 33.99 | 101.40 | 40.39 | 126.71 | 43.88 | 138.19 | 45.62 | 149.67 | 47.37 |
| 21 | 60.44 | 35.22 | 97.42 | 41.67 | 123.06 | 45.19 | 134.10 | 46.95 | 145.15 | 48.70 |
| 23 | 59.21 | 36.46 | 95.86 | 42.95 | 119.40 | 46.50 | 130.02 | 48.27 | 140.64 | 50.04 |
| 25 | 57.98 | 37.69 | 94.30 | 44.24 | 115.74 | 47.81 | 125.93 | 49.59 | 136.13 | 51.38 |
| 27 | 56.75 | 38.93 | 92.74 | 45.52 | 112.08 | 49.12 | 121.85 | 50.91 | 131.61 | 52.71 |

## Model: M4RT420AR

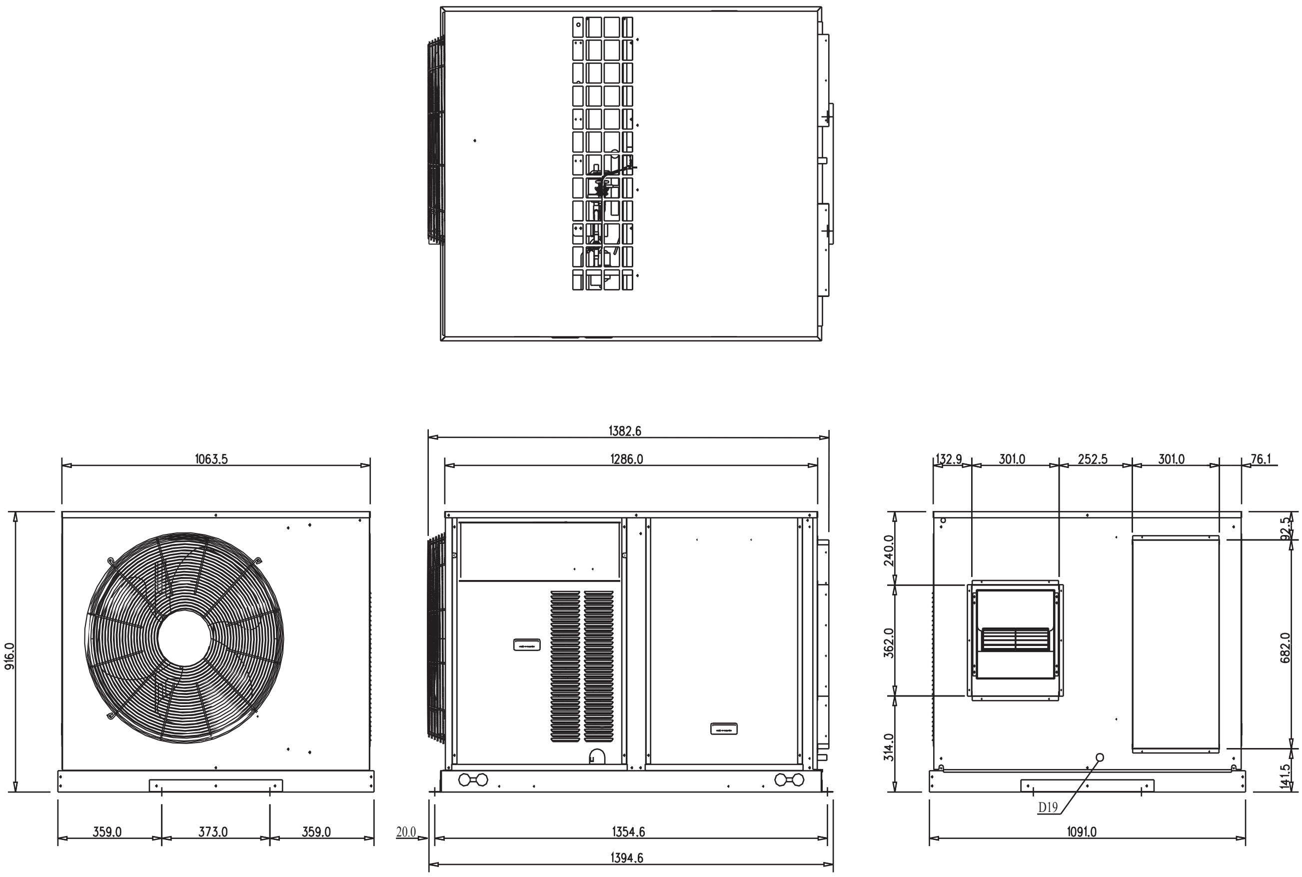
| Ind. DB | Outdoor WB | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | -5 | | 6 | | 12 | | 15 | | 18 | |
| | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) | TC (KW) | PI (KW) |
| 15 | 72.13 | 35.40 | 122.77 | 42.48 | 150.39 | 46.34 | 164.21 | 48.27 | 178.02 | 50.20 |
| 17 | 70.74 | 36.78 | 121.95 | 43.92 | 146.29 | 47.81 | 159.62 | 49.75 | 172.96 | 51.70 |
| 19 | 69.36 | 38.17 | 121.13 | 45.36 | 142.19 | 49.28 | 155.04 | 51.24 | 167.89 | 53.20 |
| 21 | 67.98 | 39.56 | 120.30 | 46.80 | 138.09 | 50.75 | 150.46 | 52.73 | 162.83 | 54.70 |
| 23 | 66.59 | 40.94 | 114.72 | 48.24 | 133.98 | 52.22 | 145.87 | 54.21 | 157.77 | 56.20 |
| 25 | 65.21 | 42.33 | 109.13 | 49.68 | 129.88 | 53.69 | 141.29 | 55.70 | 152.70 | 57.70 |
| 27 | 63.83 | 43.72 | 103.55 | 51.12 | 125.78 | 55.16 | 136.71 | 57.18 | 147.64 | 59.20 |

Remarks:
TC = Total Cooling Capacity (kW)
PI = Power Input (kW)

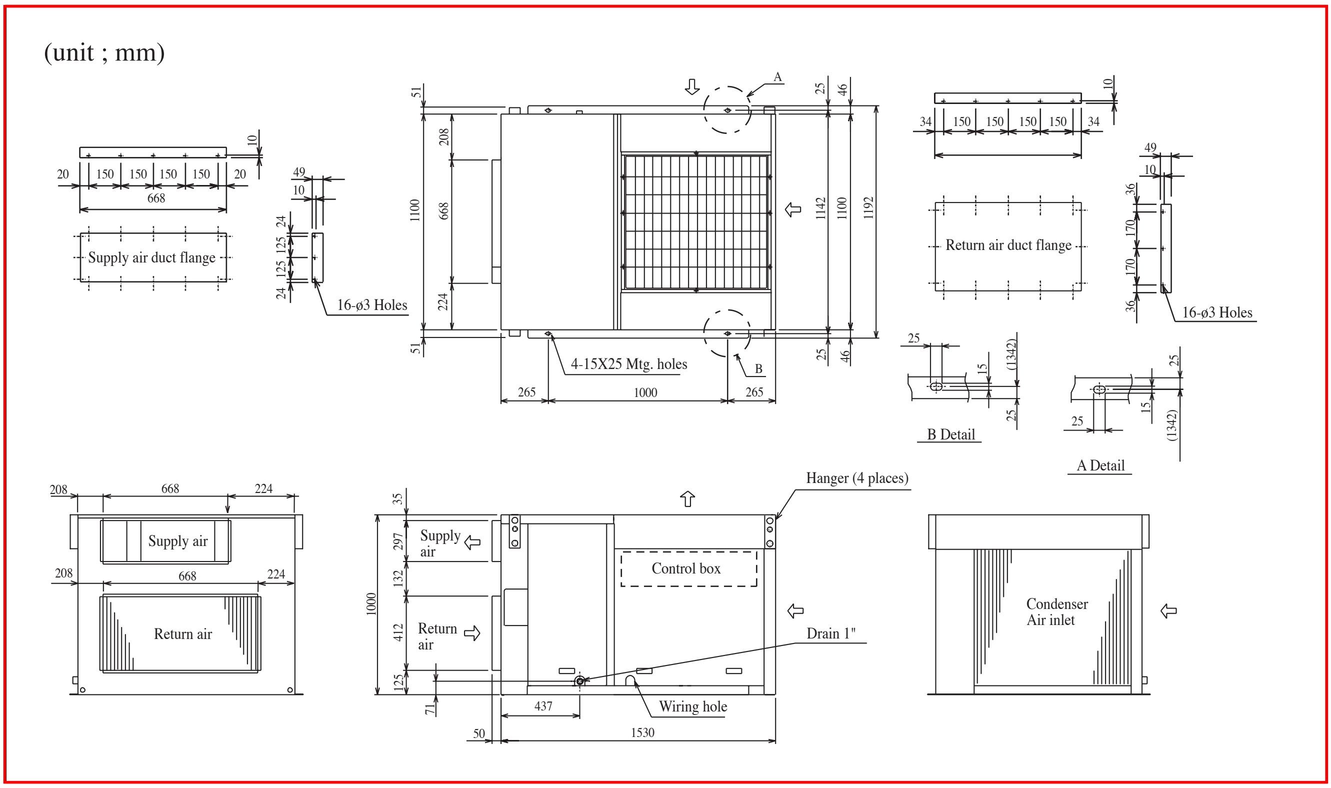
# Outlines And Dimensions

**MRT055A/AR**

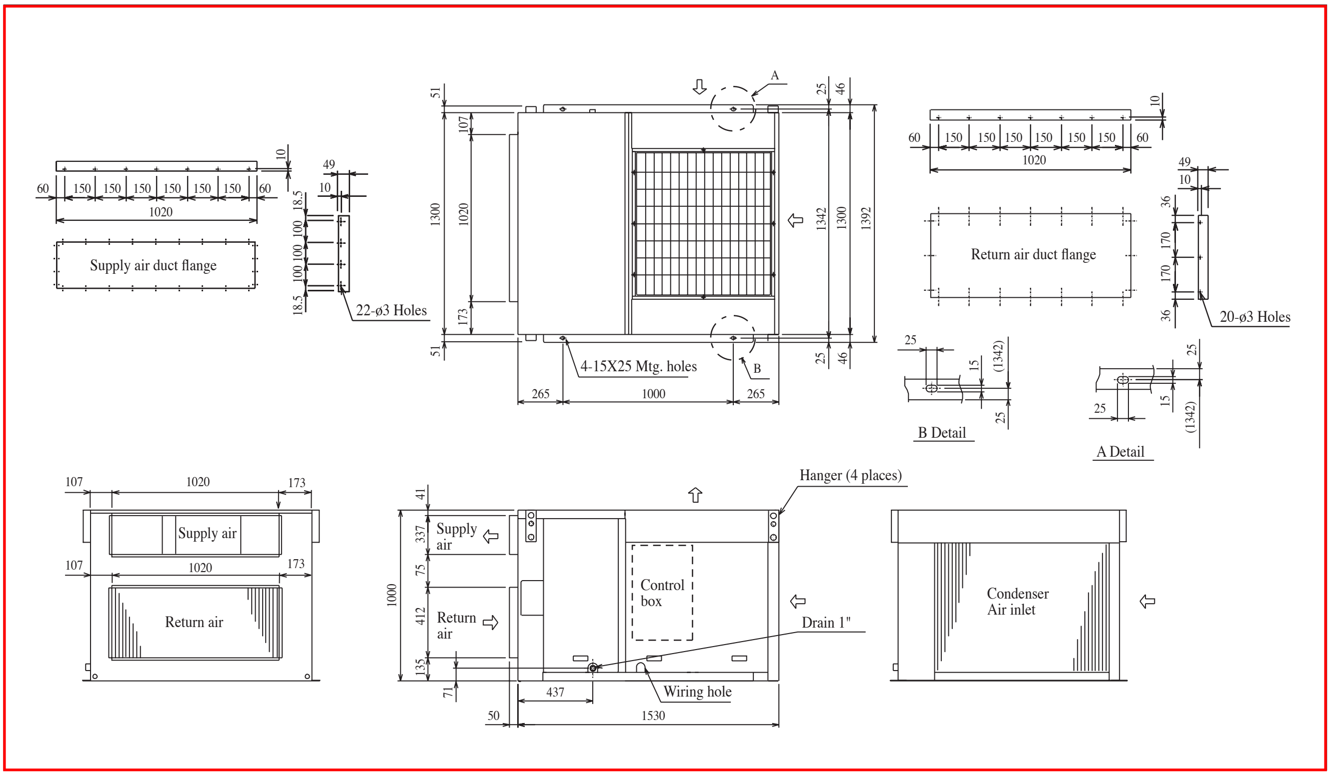
(unit : mm)
※Except : Drain size. (unit : inch)



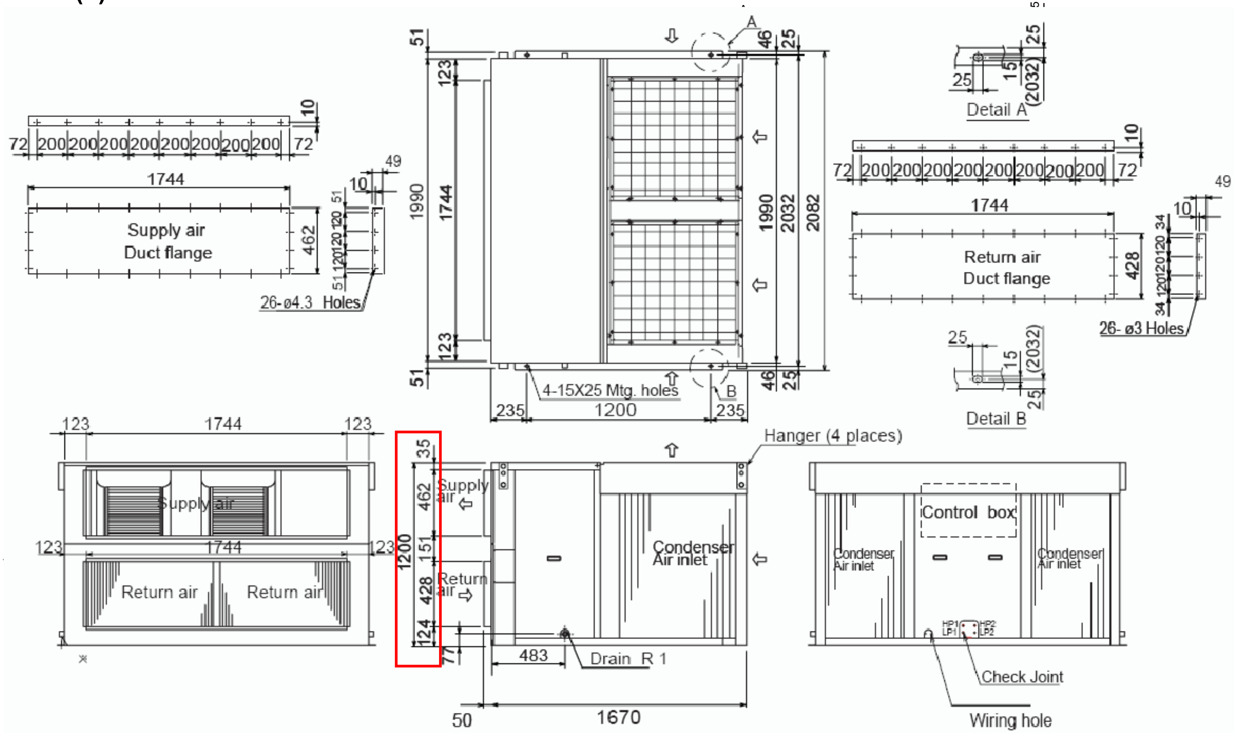
## M(4)RT060A/AR




## M(4)RT080/100/120A/AR

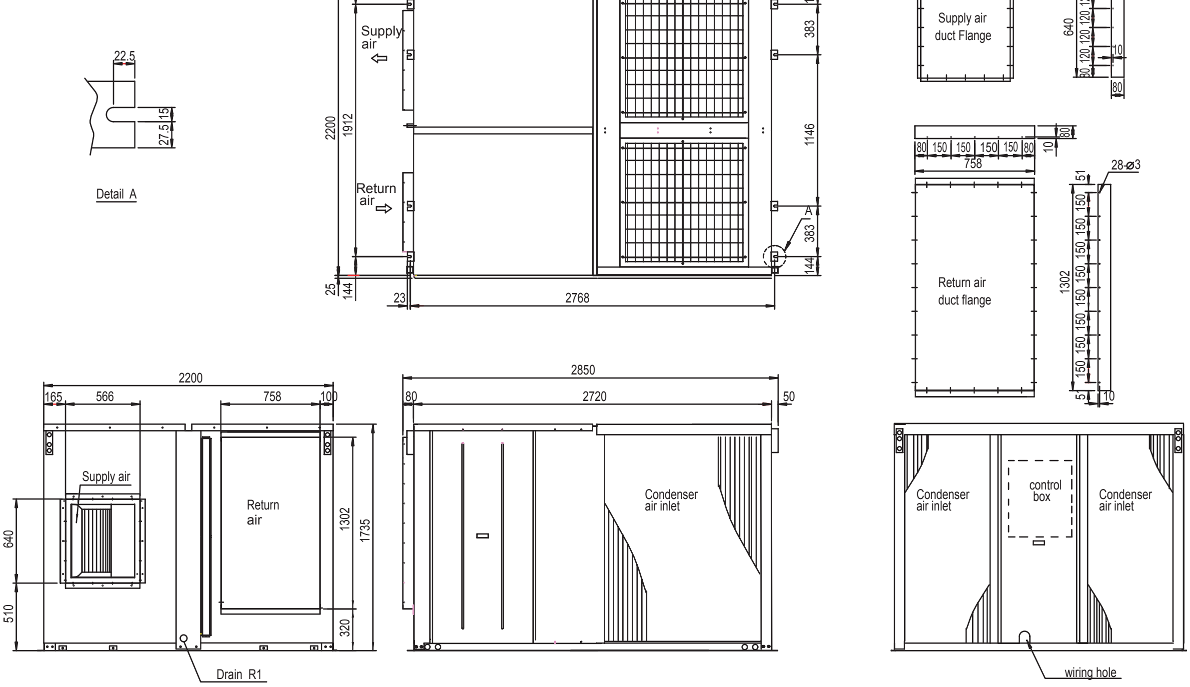


## M(4)RT150/200A/AR



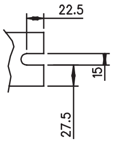

## M(4)RT250/300A/AR

(unit : mm)
※ Except : Drain size. (unit : inch)

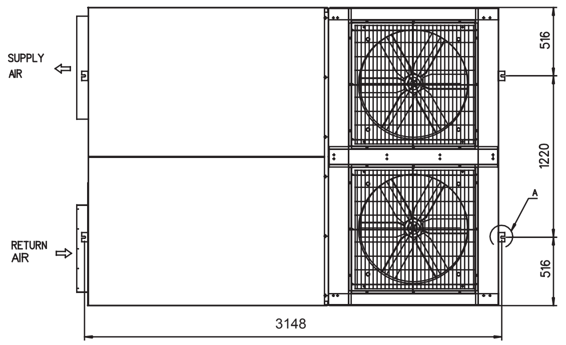


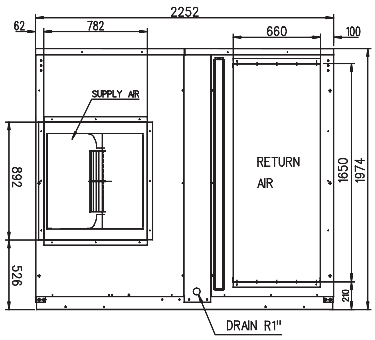
**M(4)RT360/420A/AR**

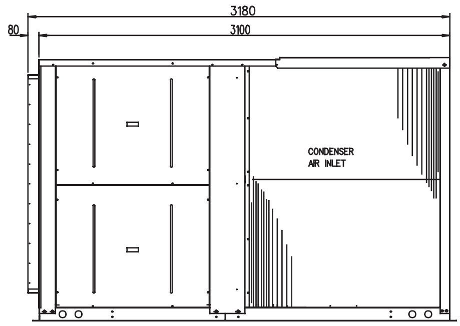
(unit : mm)
※ Except : Drain size. (unit : inch)

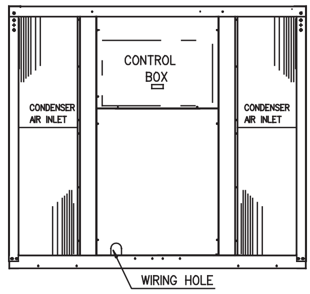



DETAIL A



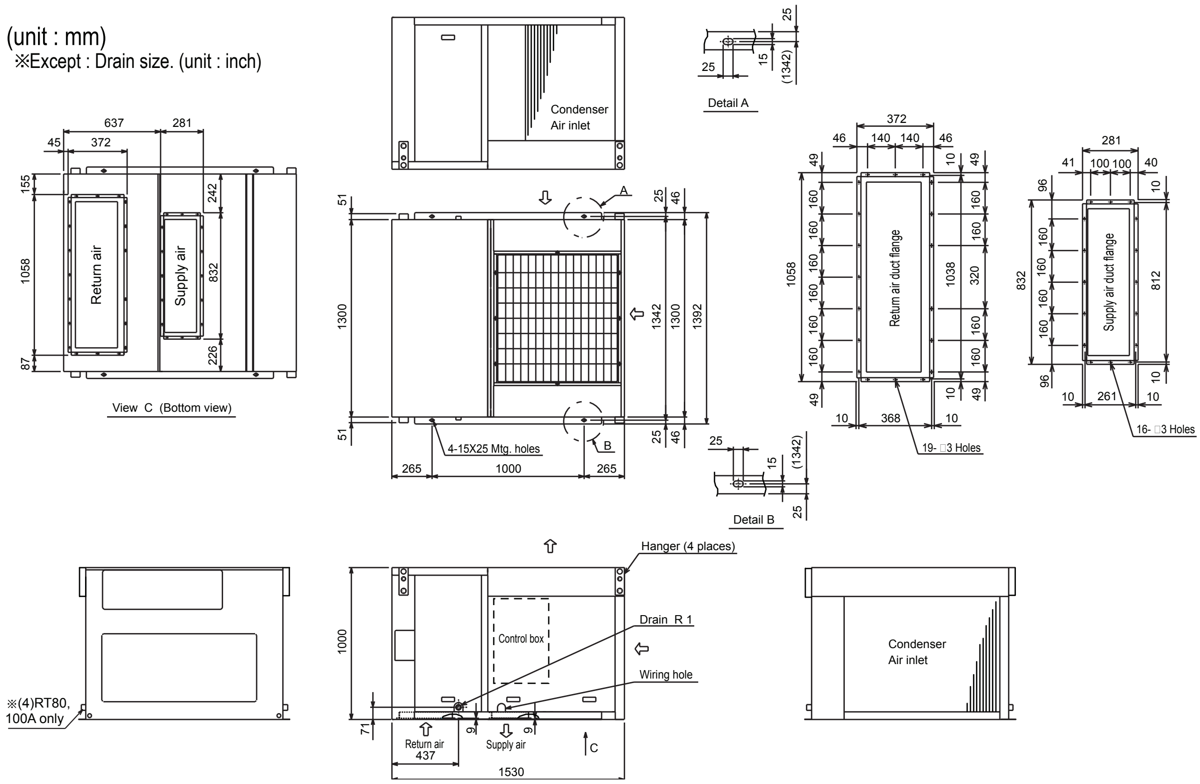



## Optional Units (Down Flow) - Site Modification Required

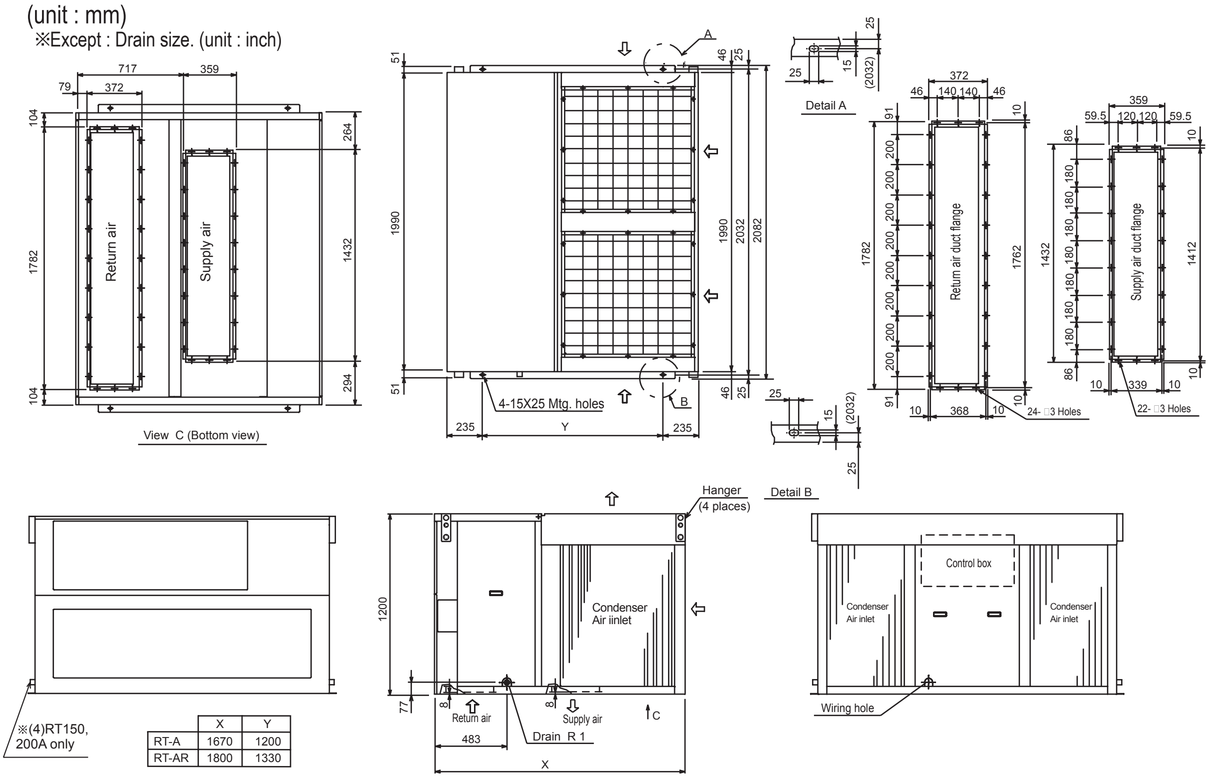
### M(4)RT080/100/120A/AR

(unit : mm)
※Except : Drain size. (unit : inch)




### M(4)RT150/200A/AR

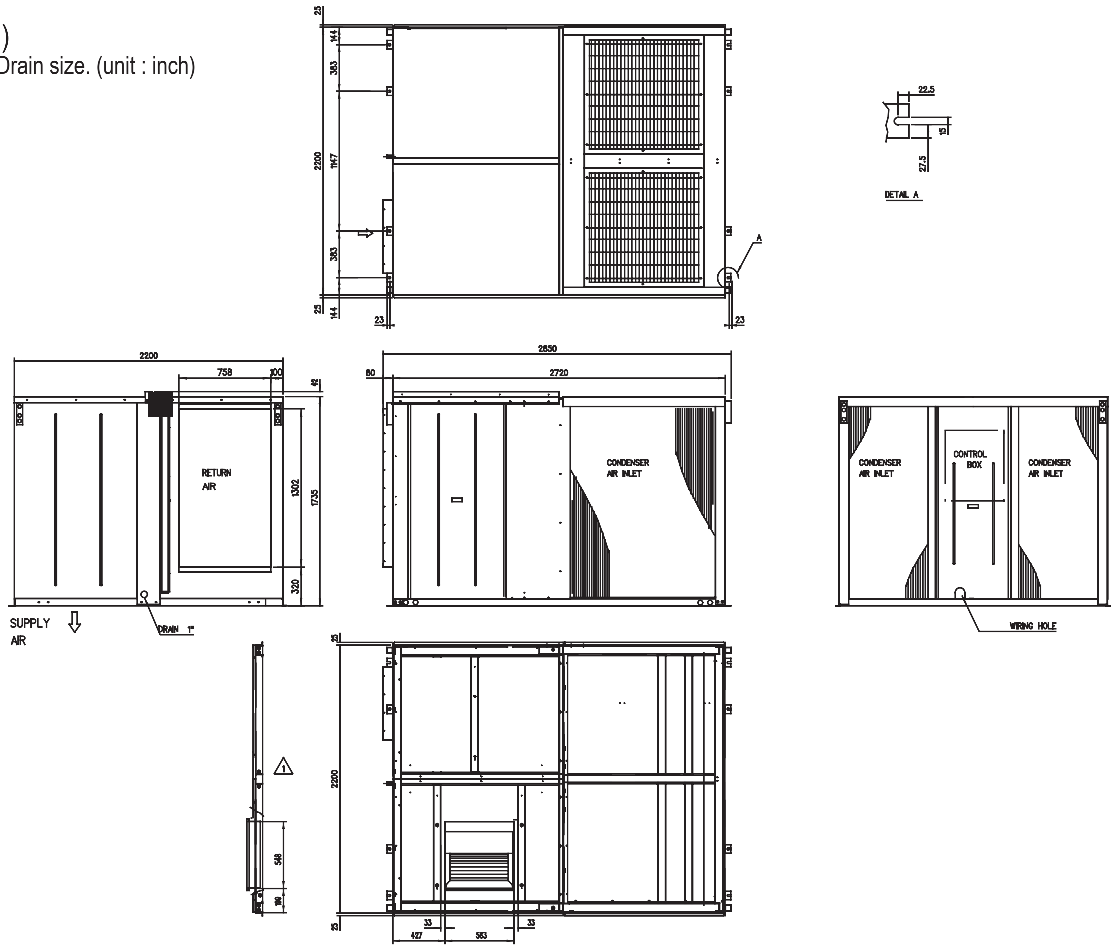
(unit : mm)
※Except : Drain size. (unit : inch)




| | X | Y |
|---|---|---|
| RT-A | 1670 | 1200 |
| RT-AR | 1800 | 1330 |

## M(4)RT250/300A/AR

(unit : mm)
※Except : Drain size. (unit : inch)



# Electrical Data

## Electrical Data - Cooling Only (R22)

| MODEL | | | MRT055A |
|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | B |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 |
| | RATED INPUT POWER | W | 650 |
| | RATED RUNNING CURRENT | A | 1.5 |
| | MOTOR OUTPUT | W | 750 |
| | POLES | | 4 |
| CONDENSER MOTOR | INSULATION GRADE | | F |
| | POWER SOURCE | V/Ph/Hz | 220 ~ 240 / 1 / 50 |
| | RATED INPUT POWER | W | 580 |
| | RATED RUNNING CURRENT | A | 2.54 |
| | MOTOR OUTPUT | W | 400 |
| | POLES | | 6 |
| COMPRESSOR | INSULATION GRADE | | F |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 |
| | CAPACITOR | µF | N/A |
| | RATED INPUT POWER | W | 5430 |
| | RATED RUNNING CURRENT | A | 8.7 |
| | LOCKED ROTOR AMP. | A | 74 |

| MODEL | | | MRT060A | MRT080A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 580 | 1200 |
| | RATED RUNNING CURRENT | A | 1.6 | 2.1 |
| | MOTOR OUTPUT | W | 750 | 1100 |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 220 ~ 240 / 1 / 50 | 380 ~ 415 / 3 / 50 |
| | RATED INPUT POWER | W | 600 | 500 |
| | RATED RUNNING CURRENT | A | 2.52 | 1.50 |
| | MOTOR OUTPUT | W | 400 | 550 |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER | W | 4540 | 6400 |
| | RATED RUNNING CURRENT | A | 8.0 | 11.8 |
| | LOCKED ROTOR AMP. | A | 74 | 95 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*

## Electrical Data - Cooling Only (R22)

| MODEL | | | MRT100A | MRT120A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 1900 | 1340 |
| | RATED RUNNING CURRENT | A | 2.70 | 2.59 |
| | MOTOR OUTPUT | W | 1500 | |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | E |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 670 | 960 |
| | RATED RUNNING CURRENT | A | 1.3 | 2.4 |
| | MOTOR OUTPUT | W | 550 | 580 |
| | POLES | | 6 | 8 |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER | W | 7930 | 9600 |
| | RATED RUNNING CURRENT | A | 14.2 | 17.1 |
| | LOCKED ROTOR AMP. | A | 125 | 125 |

| MODEL | | | MRT150A | MRT200A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 2200 | 3500 |
| | RATED RUNNING CURRENT | A | 3.8 | 4.9 |
| | MOTOR OUTPUT | W | 2200 | 3700 |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | TOTAL RATED INPUT POWER | W | 1000 | |
| | TOTAL RATED RUNNING CURRENT | A | 2.8 | 2.6 |
| | MOTOR OUTPUT | W | 550 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER | W | 12400 | 16200 |
| | RATED RUNNING CURRENT | A | 22.4 | 28.2 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 95 | 125 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*

## Electrical Data - Cooling Only (R22)

| MODEL | | | MRT250A | MRT300A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4700 | 6700 |
| | RATED RUNNING CURRENT | A | 9.1 | 11.7 |
| | MOTOR OUTPUT | W | 5500 | 7500 |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | TOTAL RATED INPUT POWER | W | 4200 | |
| | TOTAL RATED RUNNING CURRENT | A | 7.2 | |
| | MOTOR OUTPUT | W | 1500 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | μF | N/A | |
| | RATED INPUT POWER | W | 18660 | 25060 |
| | RATED RUNNING CURRENT | A | 33.3 | 43.8 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 125 | 198 |

| MODEL | | | MRT360A | MRT420A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 5870 | 7500 |
| | RATED RUNNING CURRENT | A | 11.3 | 13.3 |
| | MOTOR OUTPUT | W | 5107 | 6525 |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | TOTAL RATED INPUT POWER | W | 4500 | |
| | TOTAL RATED RUNNING CURRENT | A | 8.4 | |
| | MOTOR OUTPUT | W | 3465 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | N/A | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | μF | N/A | |
| | RATED INPUT POWER | W | 29500 | 34800 |
| | RATED RUNNING CURRENT | A | 47.5 | 51.1 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 175 & 215 | 215 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*

## Electrical Data - Heat pump (R22)

| MODEL | | | MRT055AR |
|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | B |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 |
| | RATED INPUT POWER | W | 650 |
| | RATED RUNNING CURRENT | A | 1.5 |
| | MOTOR OUTPUT | W | 750 |
| | POLES | | 4 |
| CONDENSER* MOTOR | INSULATION GRADE | | F |
| | POWER SOURCE | V/Ph/Hz | 220 ~ 240 / 1 / 50 |
| | RATED INPUT POWER | W | 580 |
| | RATED RUNNING CURRENT | A | 2.54 |
| | MOTOR OUTPUT | W | 400 |
| | POLES | | 6 |
| COMPRESSOR | INSULATION GRADE | | F |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 |
| | CAPACITOR | µF | N/A |
| | RATED INPUT POWER (COOLING) | W | 4548 |
| | RATED INPUT POWER (HEATING) | W | 3898 |
| | RATED RUNNING CURRENT (COOLING) | A | 7.8 |
| | RATED RUNNING CURRENT (HEATING) | A | 7.0 |
| | LOCKED ROTOR AMP. | A | 74 |

| MODEL | | | MRT060AR | MRT080AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 640 | 1200 |
| | RATED RUNNING CURRENT | A | 1.57 | 2.1 |
| | MOTOR OUTPUT | W | 750 | 1100 |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 220 ~ 240 / 1 / 50 | 380 ~ 415 / 3 / 50 |
| | RATED INPUT POWER | W | 600 | 500 |
| | RATED RUNNING CURRENT | A | 2.52 | 1.50 |
| | MOTOR OUTPUT | W | 400 | 550 |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | E |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 5320 | 7700 |
| | RATED INPUT POWER (HEATING) | W | 5370 | 6100 |
| | RATED RUNNING CURRENT (COOLING) | A | 11.1 | 13.2 |
| | RATED RUNNING CURRENT (HEATING) | A | 11.0 | 11.2 |
| | LOCKED ROTOR AMP. | A | 101 | 84 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Electrical Data - Heat pump (R22)

| MODEL | | | MRT100AR | MRT120AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 1900 | 1340 |
| | RATED RUNNING CURRENT | A | 2.70 | 2.59 |
| | MOTOR OUTPUT | W | 1500 | |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | F | E |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 500 | 1600 |
| | RATED RUNNING CURRENT | A | 1.3 | 3.16 |
| | MOTOR OUTPUT | W | 550 | 1250 |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | E | F |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | μF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 9460 | 9000 |
| | RATED INPUT POWER (HEATING) | W | 7650 | 8600 |
| | RATED RUNNING CURRENT (COOLING) | A | 16.5 | 16.2 |
| | RATED RUNNING CURRENT (HEATING) | A | 14.2 | 16.6 |
| | LOCKED ROTOR AMP. | A | 81 | 125 |

| MODEL | | | MRT150AR | MRT200AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 2200 | 3500 |
| | RATED RUNNING CURRENT | A | 3.80 | 4.9 |
| | MOTOR OUTPUT | W | 2200 | 3700 |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 1000 | |
| | RATED RUNNING CURRENT | A | 2.8 | 2.60 |
| | MOTOR OUTPUT | W | 550 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | E | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | μF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 15400 | 19000 |
| | RATED INPUT POWER (HEATING) | W | 12200 | 15900 |
| | RATED RUNNING CURRENT (COOLING) | A | 26.4 | 31.7 |
| | RATED RUNNING CURRENT (HEATING) | A | 22.4 | 27.5 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 84 | 81 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Electrical Data - Heat pump (R22)

| MODEL | | | MRT250AR | MRT300AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4700 | 6700 |
| | RATED RUNNING CURRENT | A | 9.10 | 11.7 |
| | MOTOR OUTPUT | W | 5500 | 7500 |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4200 | |
| | RATED RUNNING CURRENT | A | 7.2 | |
| | MOTOR OUTPUT | W | 1500 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 18760 | 26260 |
| | RATED INPUT POWER (HEATING) | W | 17460 | 21760 |
| | RATED RUNNING CURRENT (COOLING) | A | 33.6 | 45.8 |
| | RATED RUNNING CURRENT (HEATING) | A | 31.8 | 40.2 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 125 | 198 |

| MODEL | | | MRT360AR | MRT420AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 5870 | 7500 |
| | RATED RUNNING CURRENT | A | 11.3 | 13.3 |
| | MOTOR OUTPUT | W | 5107 | 6525 |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4500 | |
| | RATED RUNNING CURRENT | A | 8.4 | |
| | MOTOR OUTPUT | W | 3465 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | N/A | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 28840 | 34400 |
| | RATED INPUT POWER (HEATING) | W | 25460 | 28800 |
| | RATED RUNNING CURRENT (COOLING) | A | 50.9 | 50.8 |
| | RATED RUNNING CURRENT (HEATING) | A | 46.9 | 43.6 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 215 | 215 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*
*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Electrical Data - Cooling Only (R407C)

| MODEL | | | M4RT060A | M4RT080A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 580 | 1200 |
| | RATED RUNNING CURRENT | A | 1.6 | 2.1 |
| | MOTOR OUTPUT | W | 750 | 1100 |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 220 ~ 240 / 1 / 50 | 380 ~ 415 / 3 / 50 |
| | RATED INPUT POWER | W | 600 | 670 |
| | RATED RUNNING CURRENT | A | 2.52 | 1.30 |
| | MOTOR OUTPUT | W | 400 | 550 |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER | W | 4820 | 6830 |
| | RATED RUNNING CURRENT | A | 8.5 | 12.9 |
| | LOCKED ROTOR AMP. | A | 74 | 95 |

| MODEL | | | M4RT100A | M4RT120A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 1900 | 1340 |
| | RATED RUNNING CURRENT | A | 2.70 | 2.59 |
| | MOTOR OUTPUT | W | 1500 | |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | E |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 670 | 960 |
| | RATED RUNNING CURRENT | A | 1.3 | 2.40 |
| | MOTOR OUTPUT | W | 550 | 580 |
| | POLES | | 6 | 8 |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER | W | 9030 | 10220 |
| | RATED RUNNING CURRENT | A | 16.2 | 17.8 |
| | LOCKED ROTOR AMP. | A | 125 | 125 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*

## Electrical Data - Cooling Only (R407C)

| MODEL | | | M4RT150A | M4RT200A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 2200 | 3500 |
| | RATED RUNNING CURRENT | A | 3.80 | 4.9 |
| | MOTOR OUTPUT | W | 2200 | 3700 |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 1280 | |
| | RATED RUNNING CURRENT | A | 2.7 | |
| | MOTOR OUTPUT | W | 550 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER | W | 13720 | 20320 |
| | RATED RUNNING CURRENT | A | 25.6 | 36.2 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 95 | 125 |

| MODEL | | | M4RT250A | M4RT300A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4700 | 6700 |
| | RATED RUNNING CURRENT | A | 9.10 | 11.7 |
| | MOTOR OUTPUT | W | 5500 | 7500 |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4200 | |
| | RATED RUNNING CURRENT | A | 7.2 | |
| | MOTOR OUTPUT | W | 1500 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER | W | 19800 | 29260 |
| | RATED RUNNING CURRENT | A | 36.7 | 49.6 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 125 | 198 |

*1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.*
*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO ISO 13253.*

## Electrical Data - Cooling Only (R407C)

| MODEL | | | M4RT360A | M4RT420A |
|---|---|---|---|---|
| EVAPORATOR MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 5870 | 7500 |
| | RATED RUNNING CURRENT | A | 11.3 | 13.3 |
| | MOTOR OUTPUT | W | 5107 | 6525 |
| | POLES | | 4 | |
| CONDENSER MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4500 | |
| | RATED RUNNING CURRENT | A | 8.4 | |
| | MOTOR OUTPUT | W | 3465 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | N/A | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER | W | 31500 | 36800 |
| | RATED RUNNING CURRENT | A | 54.5 | 62.0 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 175 & 215 | 215 |

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*2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 13253.*

## Electrical Data - Heat pump (R407C)

| MODEL | | | M4RT060AR | M4RT080AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | N/A | B |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 640 | 810 |
| | RATED RUNNING CURRENT | A | 1.57 | 1.8 |
| | MOTOR OUTPUT | W | 750 | 1100 |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 220 ~ 240 / 1 / 50 | 380 ~ 415 / 3 / 50 |
| | RATED INPUT POWER | W | 600 | |
| | RATED RUNNING CURRENT | A | 2.52 | 1.20 |
| | MOTOR OUTPUT | W | 400 | 550 |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 5870 | 7000 |
| | RATED INPUT POWER (HEATING) | W | 5610 | 6130 |
| | RATED RUNNING CURRENT (COOLING) | A | 11.5 | 13.0 |
| | RATED RUNNING CURRENT (HEATING) | A | 11.1 | 12.4 |
| | LOCKED ROTOR AMP. | A | 101 | 95 |

| MODEL | | | M4RT100AR | M4RT120AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 1170 | 1340 |
| | RATED RUNNING CURRENT | A | 2.60 | 2.59 |
| | MOTOR OUTPUT | W | 1500 | |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | E | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 950 | 1600 |
| | RATED RUNNING CURRENT | A | 1.7 | 3.16 |
| | MOTOR OUTPUT | W | 580 | 1250 |
| | POLES | | 8 | 6 |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 8700 | 10240 |
| | RATED INPUT POWER (HEATING) | W | 7690 | 8890 |
| | RATED RUNNING CURRENT (COOLING) | A | 16.3 | 17.7 |
| | RATED RUNNING CURRENT (HEATING) | A | 15.0 | 16.5 |
| | LOCKED ROTOR AMP. | A | 125 | |

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*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Electrical Data - Heat pump (R407C)

| MODEL | | | M4RT150AR | M4RT200AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | B | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 1650 | 2700 |
| | RATED RUNNING CURRENT | A | 3.50 | 5.2 |
| | MOTOR OUTPUT | W | 2200 | 3700 |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 1220 | 1280 |
| | RATED RUNNING CURRENT | A | 2.6 | 2.70 |
| | MOTOR OUTPUT | W | 550 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 13700 | 17180 |
| | RATED INPUT POWER (HEATING) | W | 12840 | 16320 |
| | RATED RUNNING CURRENT (COOLING) | A | 26.1 | 32.0 |
| | RATED RUNNING CURRENT (HEATING) | A | 25.1 | 30.5 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 95 | 125 |

| MODEL | | | M4RT250AR | M4RT300AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4700 | 6700 |
| | RATED RUNNING CURRENT | A | 9.10 | 11.7 |
| | MOTOR OUTPUT | W | 5500 | 7500 |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4200 | |
| | RATED RUNNING CURRENT | A | 7.2 | |
| | MOTOR OUTPUT | W | 1500 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 20300 | 27260 |
| | RATED INPUT POWER (HEATING) | W | 17320 | 23880 |
| | RATED RUNNING CURRENT (COOLING) | A | 35.8 | 46.6 |
| | RATED RUNNING CURRENT (HEATING) | A | 32.3 | 43.0 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 125 | 198 |

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*3) * DESIGNATION BASED ON COOLING CYCLE.*

## Electrical Data - Heat pump (R407C)

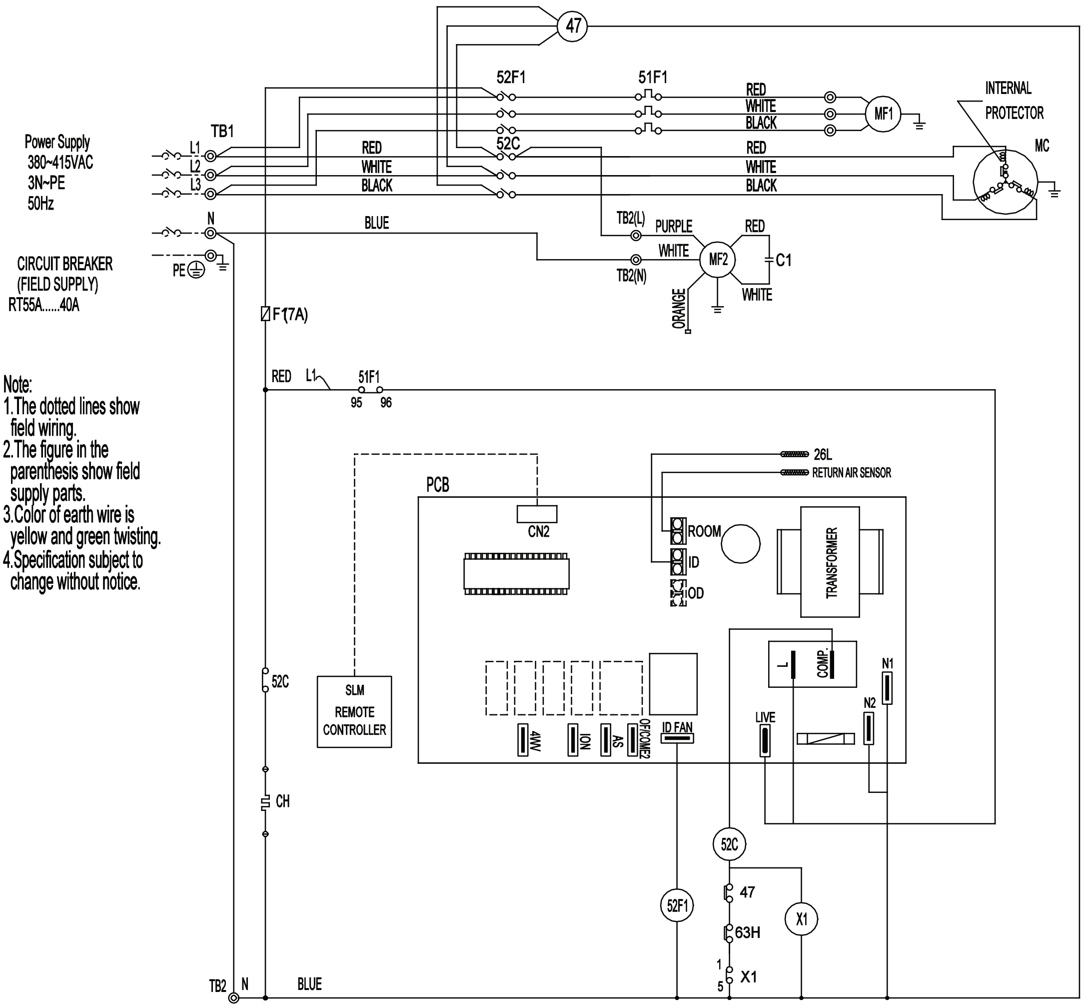
| MODEL | | | M4RT360AR | M4RT420AR |
|---|---|---|---|---|
| EVAPORATOR* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 5870 | 7500 |
| | RATED RUNNING CURRENT | A | 11.3 | 13.3 |
| | MOTOR OUTPUT | W | 5107 | 6525 |
| | POLES | | 4 | |
| CONDENSER* MOTOR | INSULATION GRADE | | F | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | RATED INPUT POWER | W | 4500 | |
| | RATED RUNNING CURRENT | A | 8.4 | |
| | MOTOR OUTPUT | W | 3465 | |
| | POLES | | 6 | |
| COMPRESSOR | INSULATION GRADE | | N/A | |
| | POWER SOURCE | V/Ph/Hz | 380 ~ 415 / 3 / 50 | |
| | CAPACITOR | µF | N/A | |
| | RATED INPUT POWER (COOLING) | W | 32800 | 36200 |
| | RATED INPUT POWER (HEATING) | W | 31300 | 34800 |
| | RATED RUNNING CURRENT (COOLING) | A | 54.5 | 61.2 |
| | RATED RUNNING CURRENT (HEATING) | A | 52.3 | 59.4 |
| | LOCKED ROTOR AMP. (EACH COMP) | A | 215 | 215 |

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*3) * DESIGNATION BASED ON COOLING CYCLE.*

# Wiring Diagrams

## Cooling Only

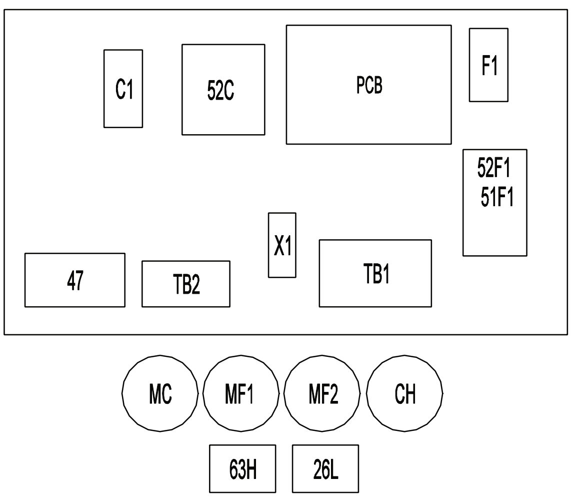
## MRT055A




Note:
1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Specification subject to change without notice.

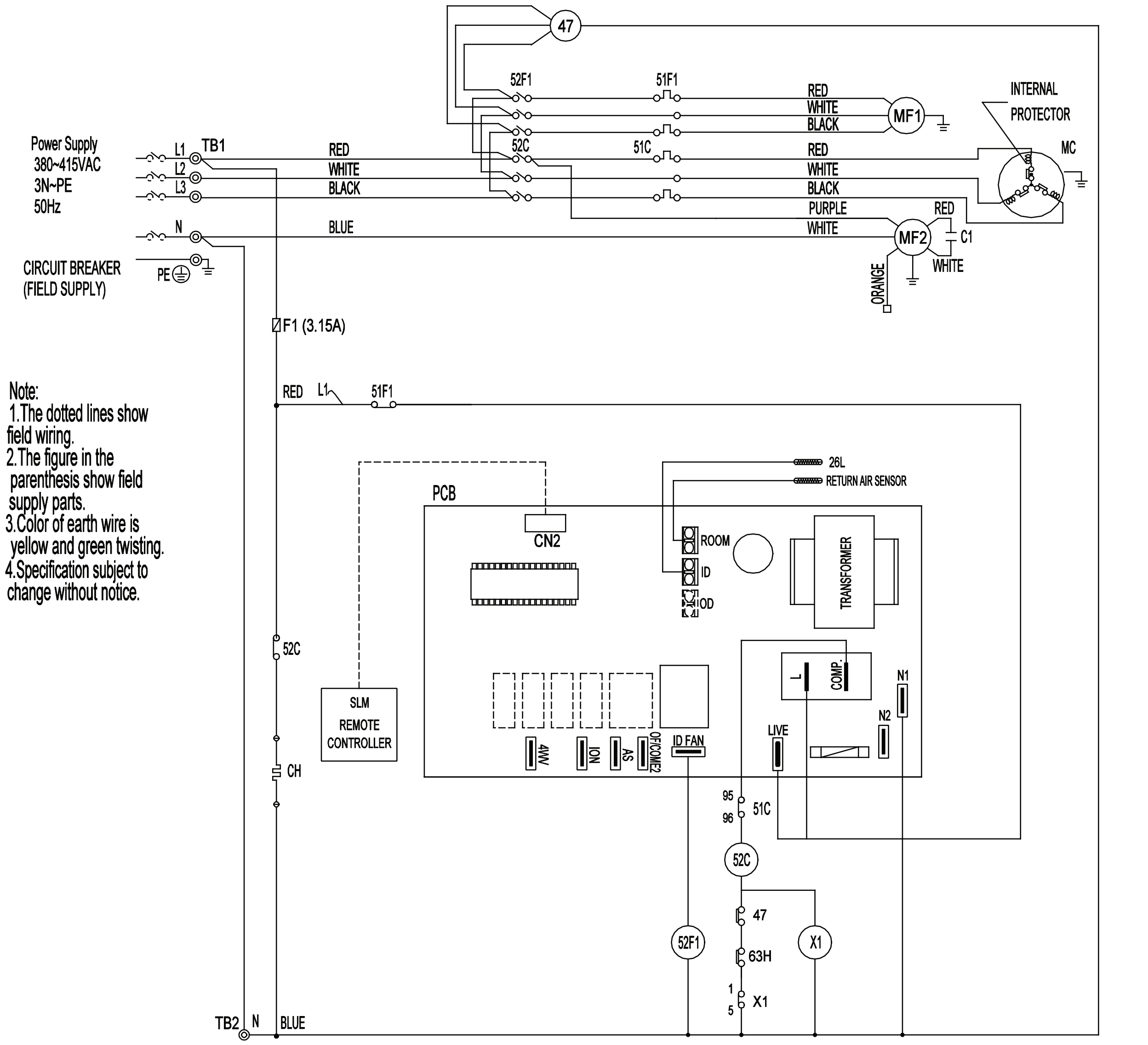
Caution,
To protect indoor fan motor from abnormal, <51F1> is installed.
Therefore,do not change factory preset value.

**ARRANGEMENT**

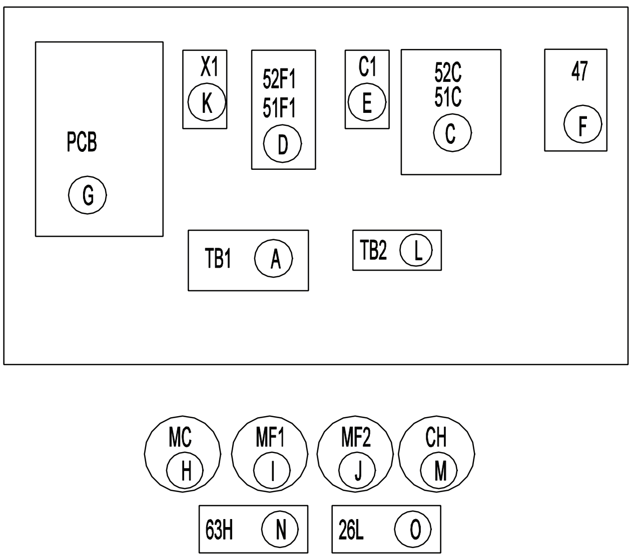



| SYMBOL | NAME |
|---|---|
| MC | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2 | Fan motor (outdoor) |
| 52C | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 51F1 | Overload Protector (fan I/D) |
| F1 | Fuse (3.15A) |
| TB1,2 | Terminal block |
| 63H | High-pressure switch |
| CH | Crankcase heater |
| 26L | Sensor, Indoor (freeze protection) |
| PCB | Printed circuit board |
| X1 | Auxilliary Relay (Self hold) |
| 47 | Phase Protector / Discharge sensor |
| C1 | Capacitor (O/D Fan Motor) |
| ROOM | Return Air Sensor |
| CN2 | Remote Controller |

## M(4)RT060A

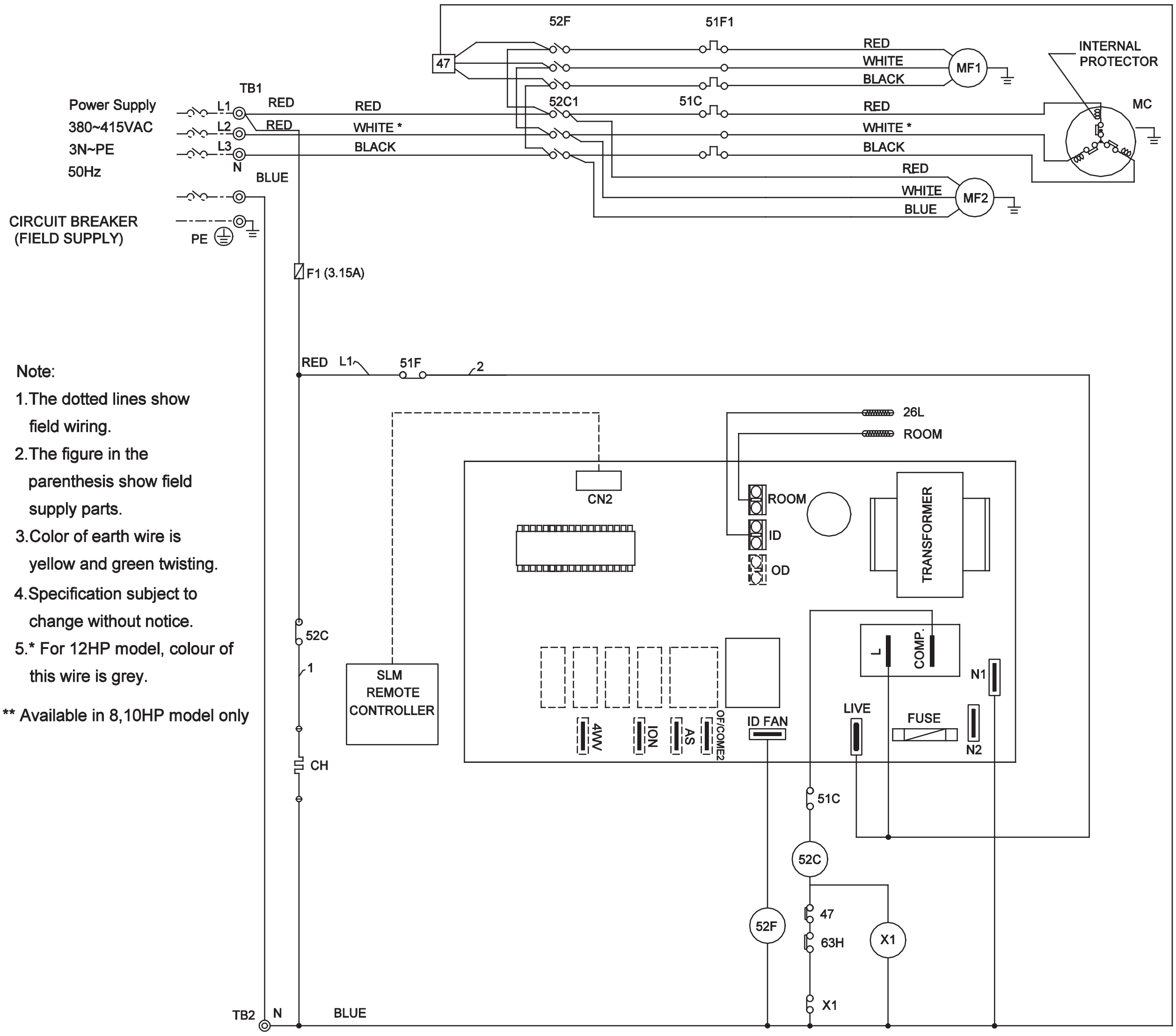



### ARRANGEMENT




| SYMBOL | NAME |
|---|---|
| MC | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2 | Fan motor (outdoor) |
| 52C | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 51C | Over current relay (comp) |
| C | Capacitor (o/d fan motor) |
| TB1,2 | Terminal block |
| 51F | Over current relay(fan I/D) |
| 63H | High-pressure switch |
| CH | Crankcase heater |
| 26L | Sensor (freeze protection) |
| PCB | Printed circuit board |
| 47 | Phase Protector /Discharge Thermostat |
| X1 | Auxilliary Relay (Self hold) |
| F1 | Fuse (3.15A) |
| C1 | Capacitor (O/D Fan Motor) |

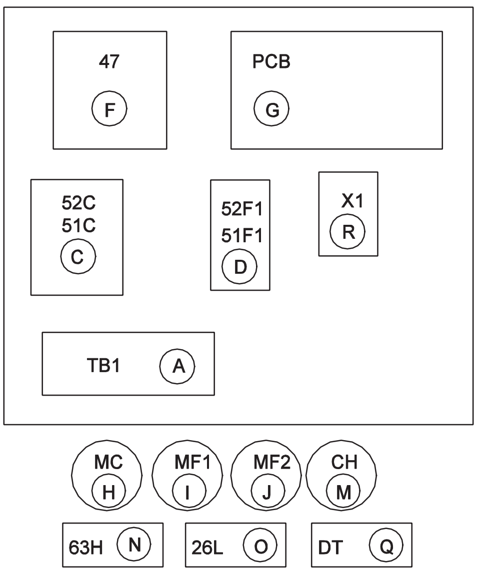
# M(4)RT080/100/120A




Note:
1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Specification subject to change without notice.
5. * For 12HP model, colour of this wire is grey.

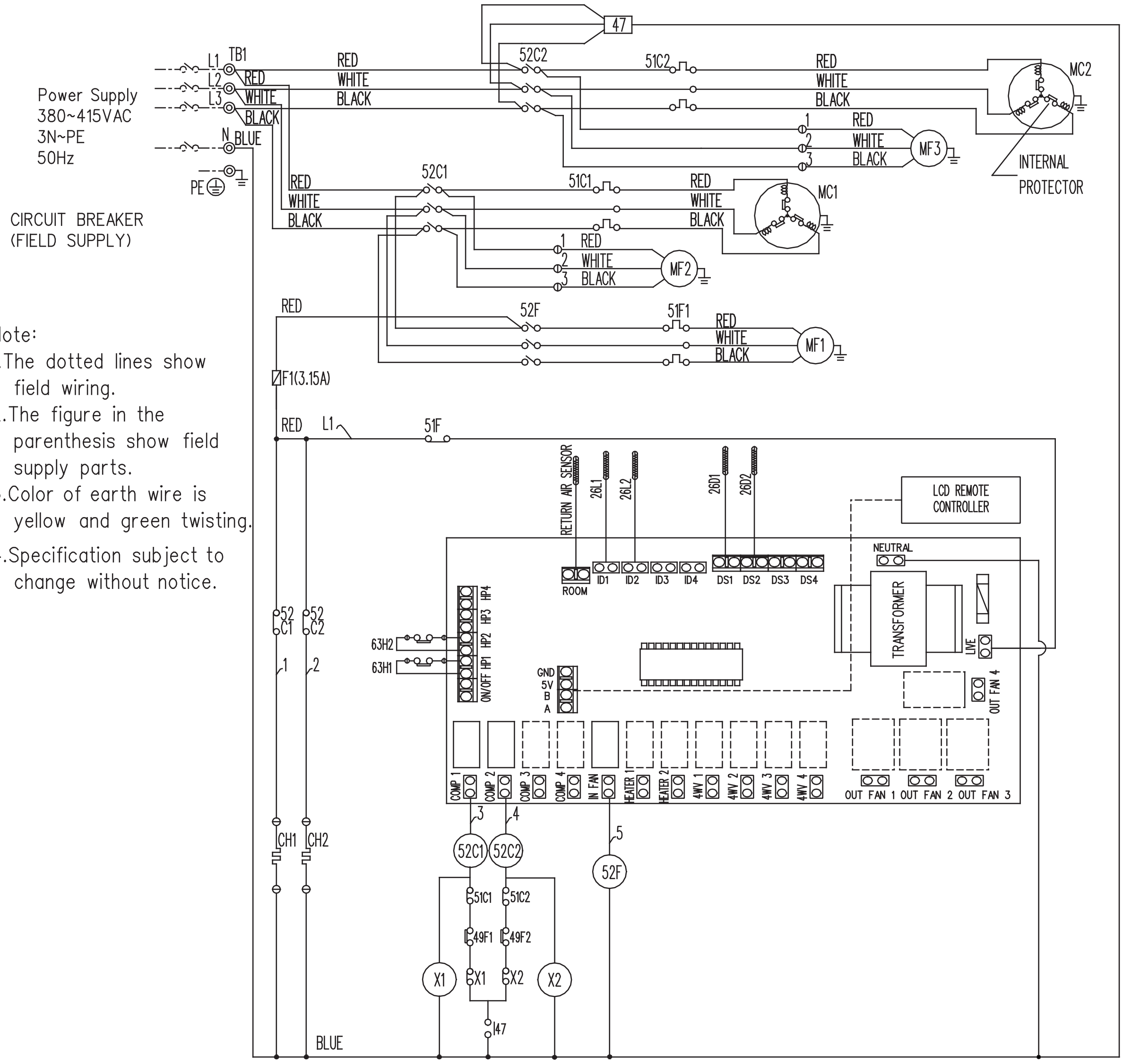
** Available in 8,10HP model only

## ARRANGEMENT




| | SYMBOL | NAME |
|---|---|---|
| | MC | Compressor motor |
| | MF1 | Fan motor (indoor) |
| | MF2 | Fan motor (outdoor) |
| | 52C | Contactor (compressor) |
| | 52F1 | Contactor (fan I/D) |
| | 51C | Over current relay (comp) |
| | TB1 | Terminal block |
| | F1 | Fuse (3.15A) |
| | 51F | Over current relay(fan I/D) |
| | 63H | High-pressure switch |
| | CH | Crankcase heater |
| | 26L | Sensor (freeze protection) |
| | PCB | Printed circuit board |
| | 47 | Phase Protector /Discharge Thermostat |
| | X1 | Auxilliary Relay (Self hold) |
| ** | 49F | Internal Protector (OD Fan) |

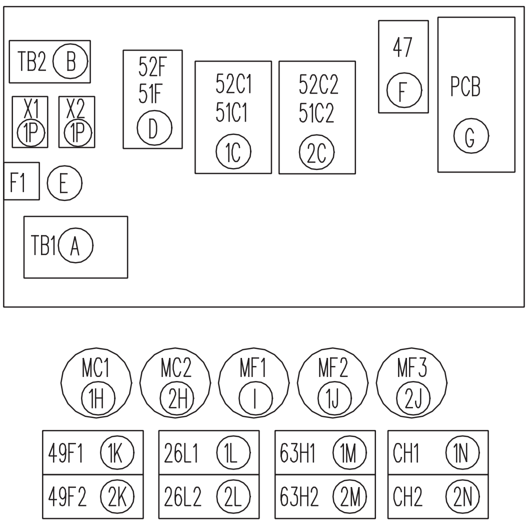
# M(4)RT150/200A




Note:

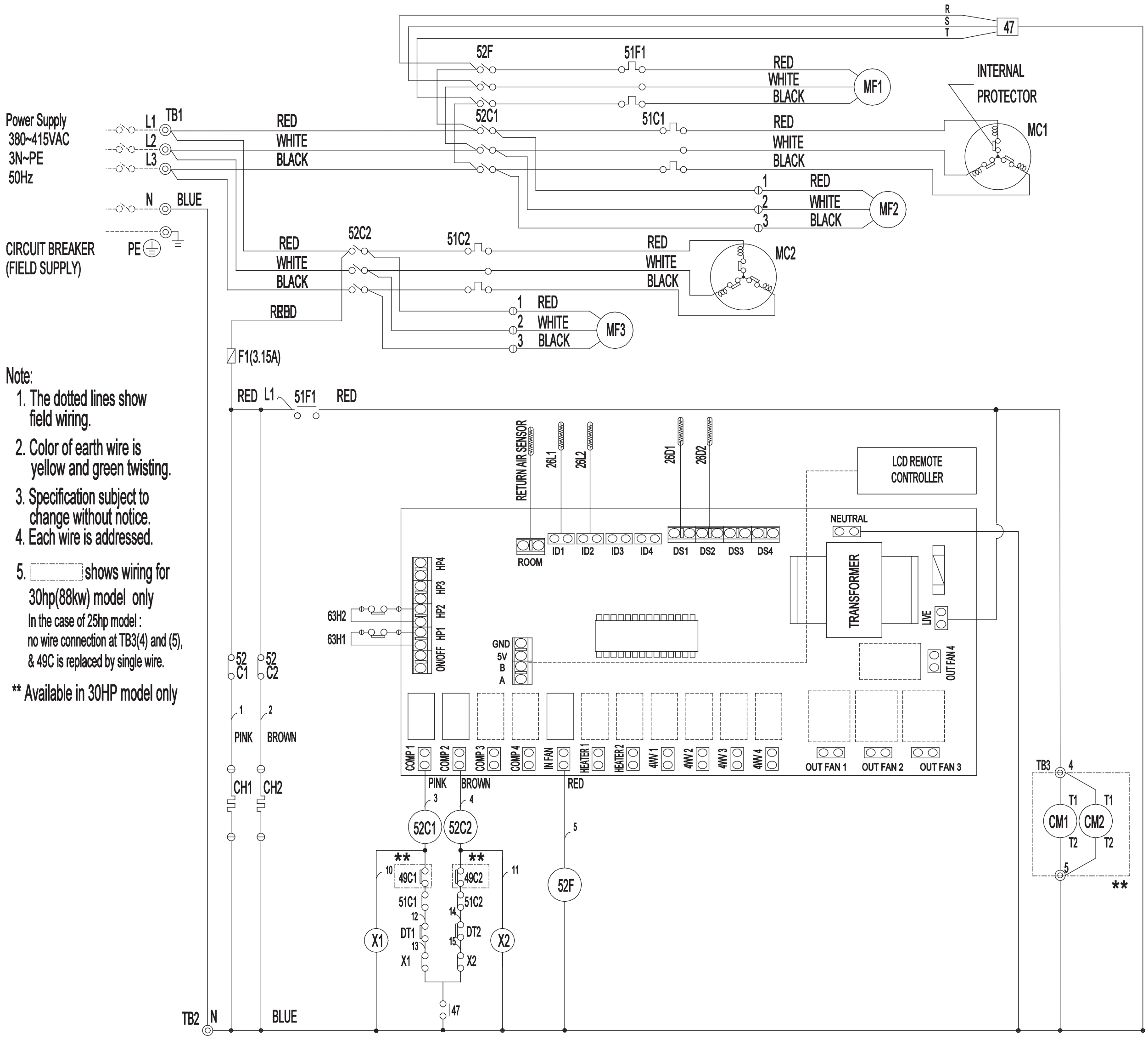
1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Specification subject to change without notice.

**ARRANGEMENT**

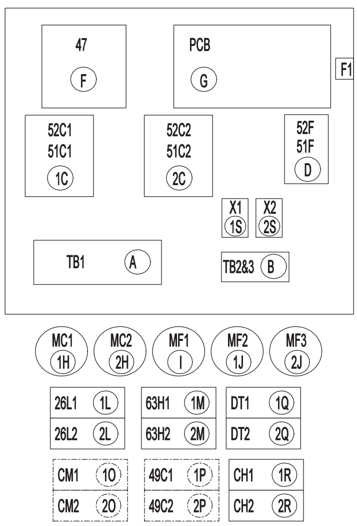



| SYMBOL | NAME |
|---|---|
| MC1,2 | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2,3 | Fan motor (outdoor) |
| 52C1,2 | Contactor (compressor) |
| 52F | Contactor (fan I/D) |
| TB1,2 | Terminal block |
| F1 | Fuse (3.15A) |
| 51C1, C2 | Over current relay (COMP) |
| 51F1 | Over current relay (fan I/D) |
| CH1,2 | Crankcase heater |
| 26L1,2 | Sensor (freeze protection) |
| PCB | Printed circuit board |
| 47 | Phase Protector |
| 49F1, 2 | Internal Protector (Od fan) |
| 63H1,H2 | High Pressure Switch |
| X1,2 | Auxilliary Relay (Self Hold) |
| | |

# M(4)RT250/300A

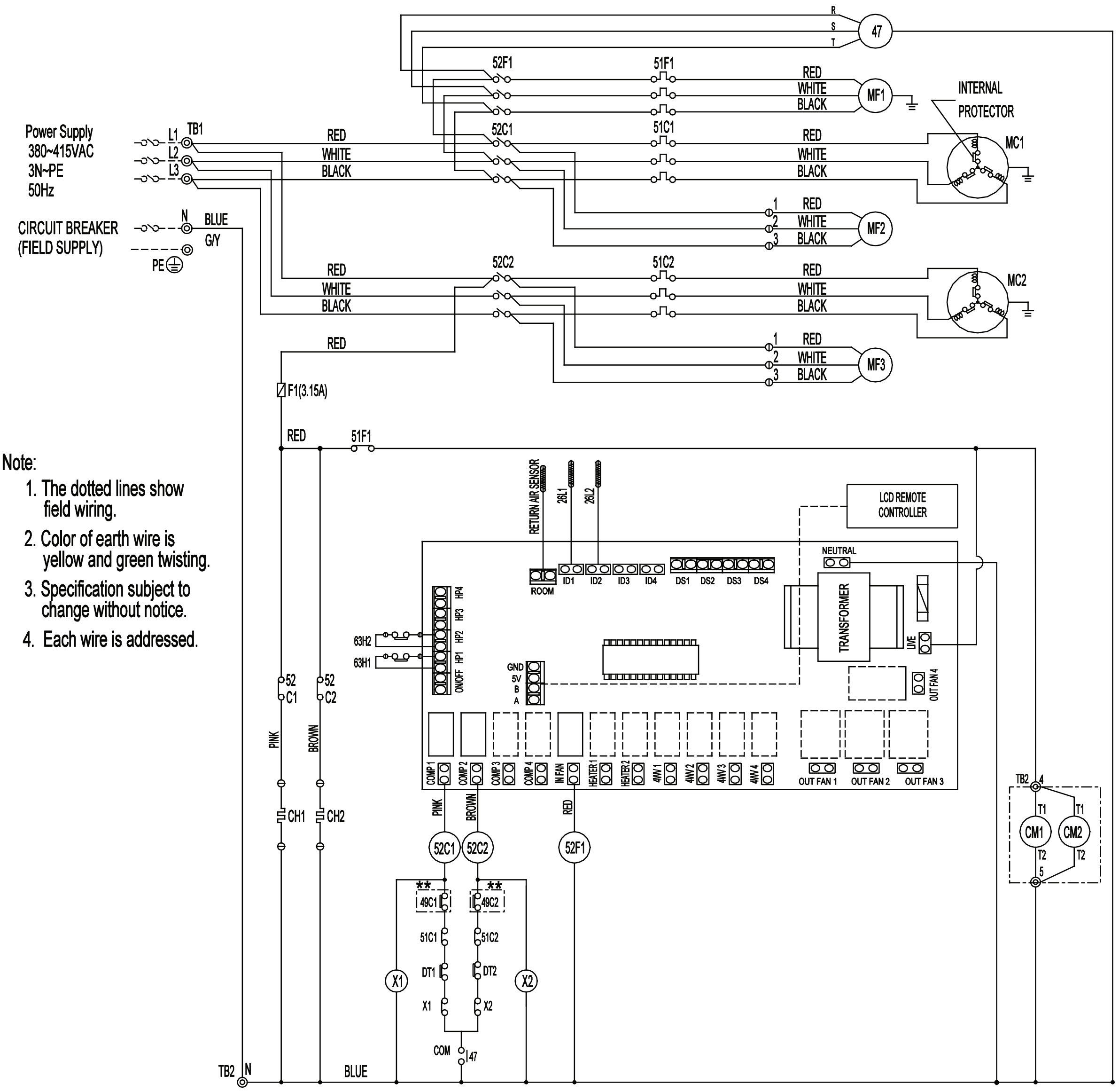



## ARRANGEMENT



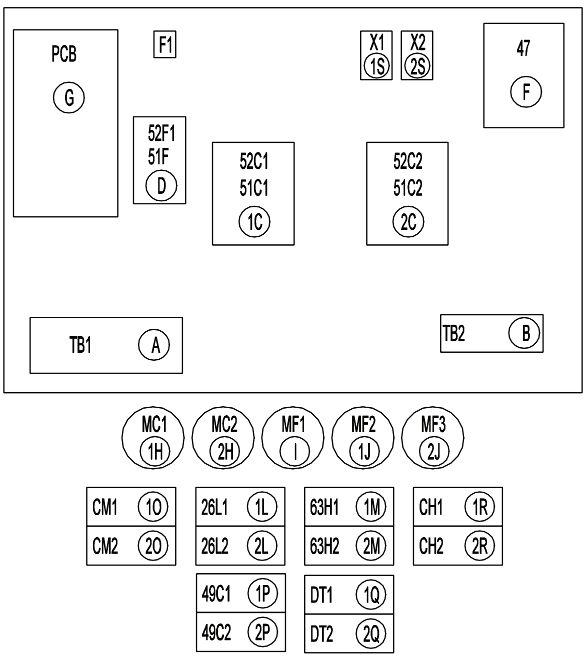

| | SYMBOL | NAME |
|---|---|---|
| | MC1,2 | Compressor motor |
| | MF1 | Fan motor (indoor) |
| | MF2,3 | Fan motor (outdoor) |
| | 52C1,2 | Contactor (compressor) |
| | 52F1 | Contactor (fan I/D) |
| | 51C1,C2 | Overload Protector (compressor) |
| | TB1,2,3 | Terminal block |
| | F1 | Fuse (3.15A) |
| | 51F | Overload Protector (fan I/D) |
| | 63H1,2 | High-pressure switch |
| | CH1,2 | Crankcase heater |
| | 26L1,2 | Sensor (freeze protection) |
| | PCB | Printed Circuit Board |
| | 47 | Phase Protector |
| | DT1,2 | Discharge Thermostat |
| | X1,2 | Auxilliary Relay (Self Hold) |
| ** | 49C1,C2 | Compressor internal Overload |
| ** | CM1,2 | Compressor Control Module |

## M(4)RT360/420A




Note:
1. The dotted lines show field wiring.
2. Color of earth wire is yellow and green twisting.
3. Specification subject to change without notice.
4. Each wire is addressed.

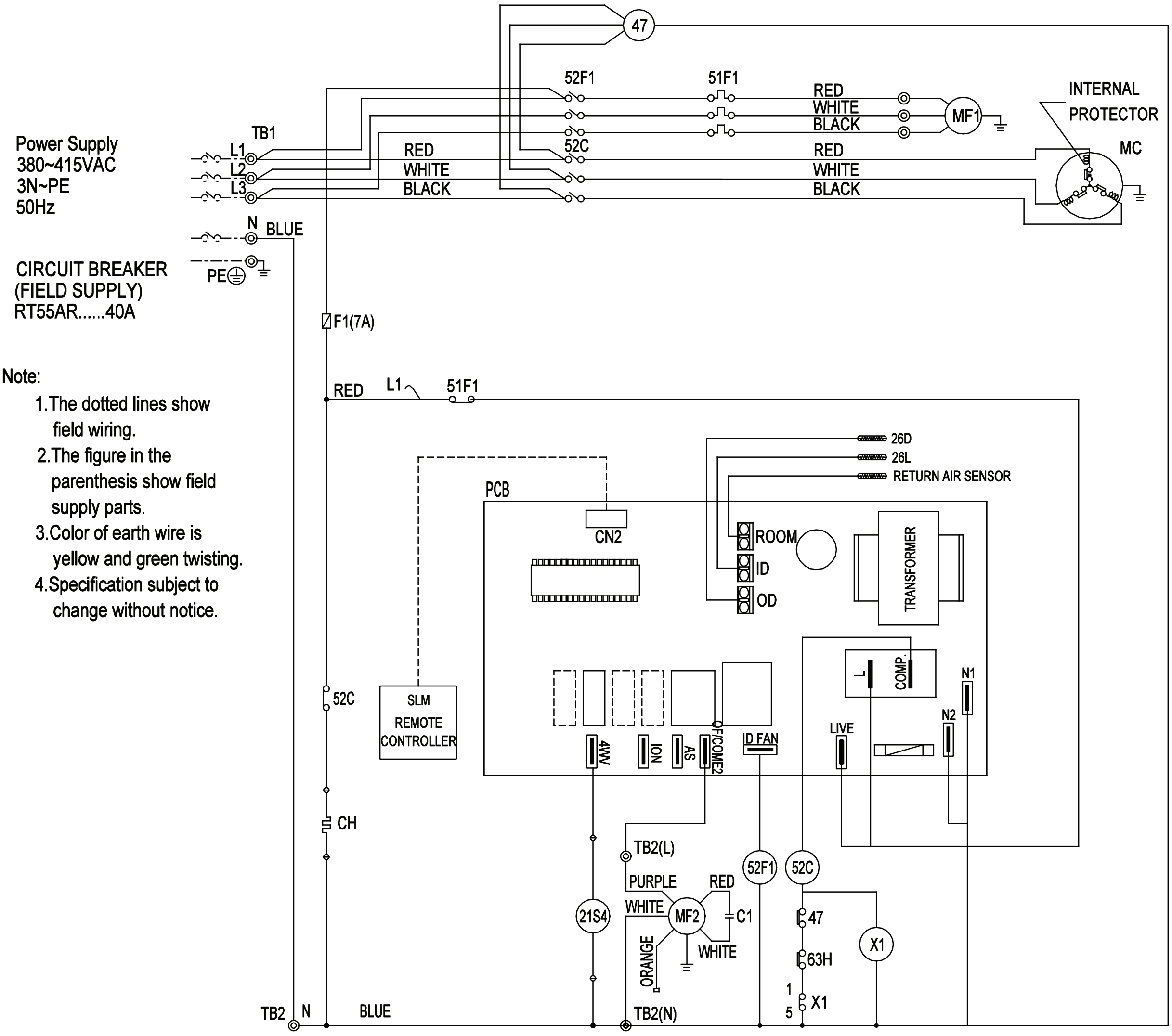
### ARRANGEMENT




| SYMBOL | NAME |
|---|---|
| MC1,2 | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2,3 | Fan motor (outdoor) |
| 52C1,2 | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 51C1,C2 | Overload Protector (compressor) |
| TB1,2 | Terminal block |
| F1 | Fuse (3.15A) |
| 51F1 | Overload Protector (fan I/D) |
| 63H1,2 | High-pressure switch |
| CH1,2 | Crankcase heater |
| 26L1,2 | Sensor (freeze protection) |
| PCB | Printed Circuit Board |
| 47 | Phase Protector |
| DT1,2 | Discharge Thermostat |
| X1,2 | Auxilliary Relay (Self Hold) |
| 49C1,C2 | Compressor internal Overload |
| CM1,2 | Compressor Control Module |

## Heat Pump

## MRT055AR

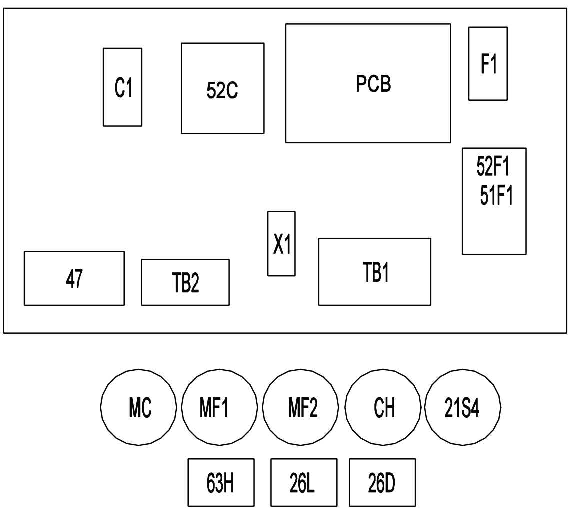



Note:

1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Specification subject to change without notice.

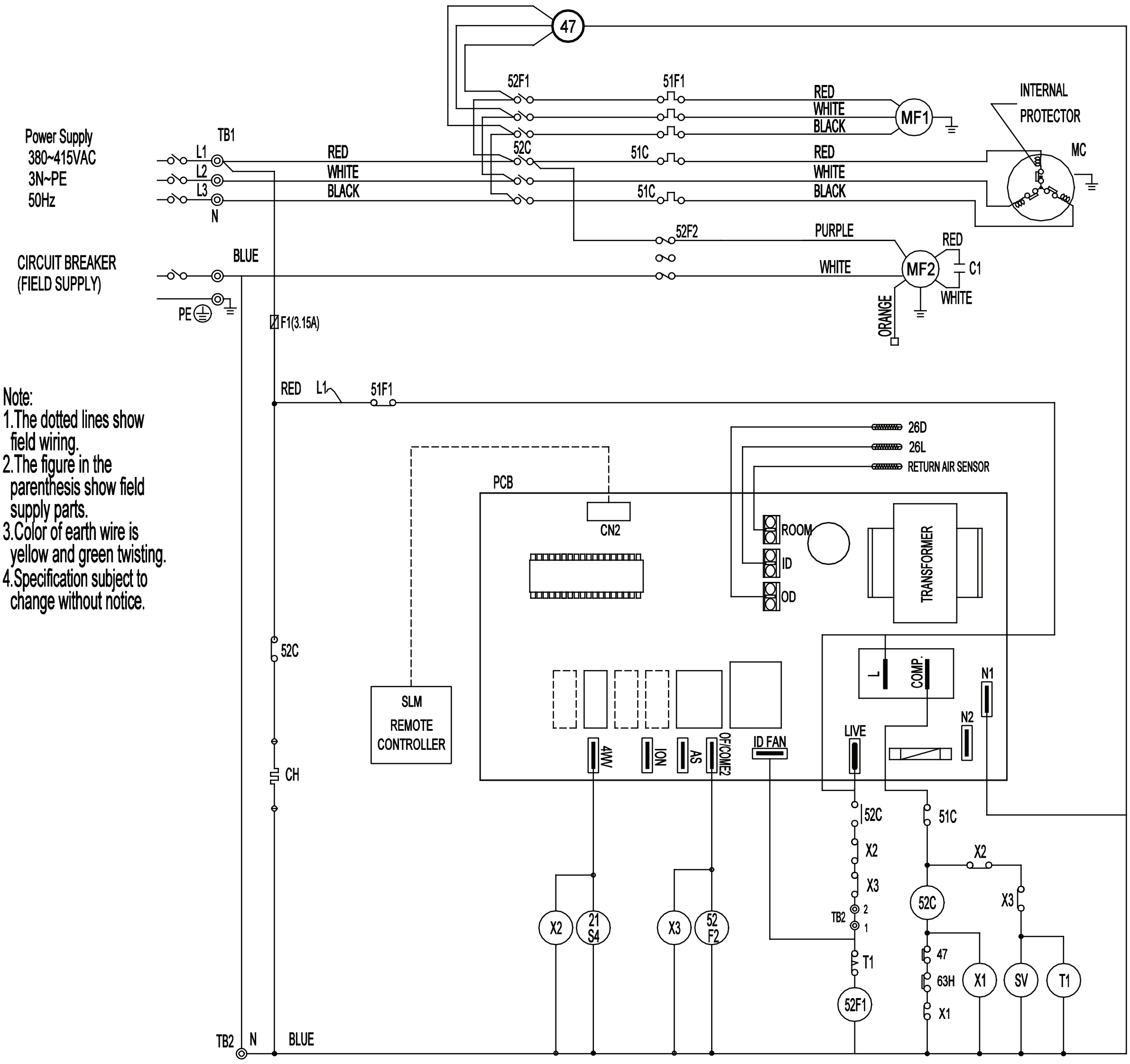
Caution,
To protect indoor fan motor from abnormal, <51F1> is installed.
Therefore,do not change factory preset value.

**ARRANGEMENT**



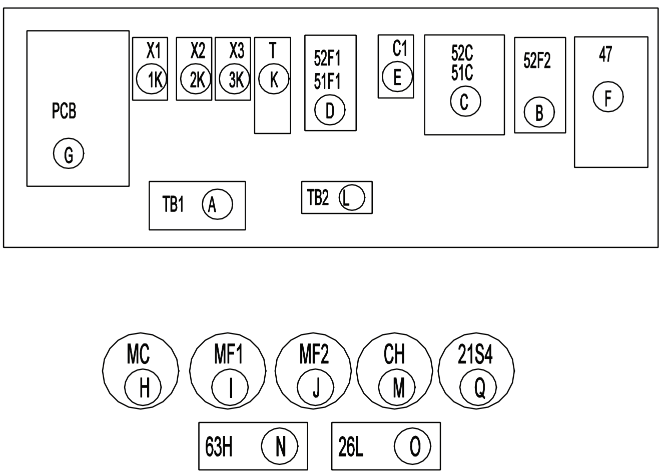

| SYMBOL | NAME |
|---|---|
| MC | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2 | Fan motor (outdoor) |
| 52C | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 51F1 | Overload Protector (fan I/D) |
| F1 | Fuse (3.15A) |
| TB1,2 | Terminal block |
| 63H | High-pressure switch |
| CH | Crankcase heater |
| 26L | Sensor, Indoor (freeze protection) |
| PCB | Printed circuit board |
| X1 | Auxilliary Relay (Self hold) |
| 47 | Phase Protector / Discharge sensor |
| 26D | Sensor, Outdoor (defrost) |
| 21S4 | 4-Way valve |
| C1 | Capacitor (O/D Fan Motor) |
| ROOM | Return Air Sensor |
| CN2 | Remote Controller |

# M(4)RT060AR



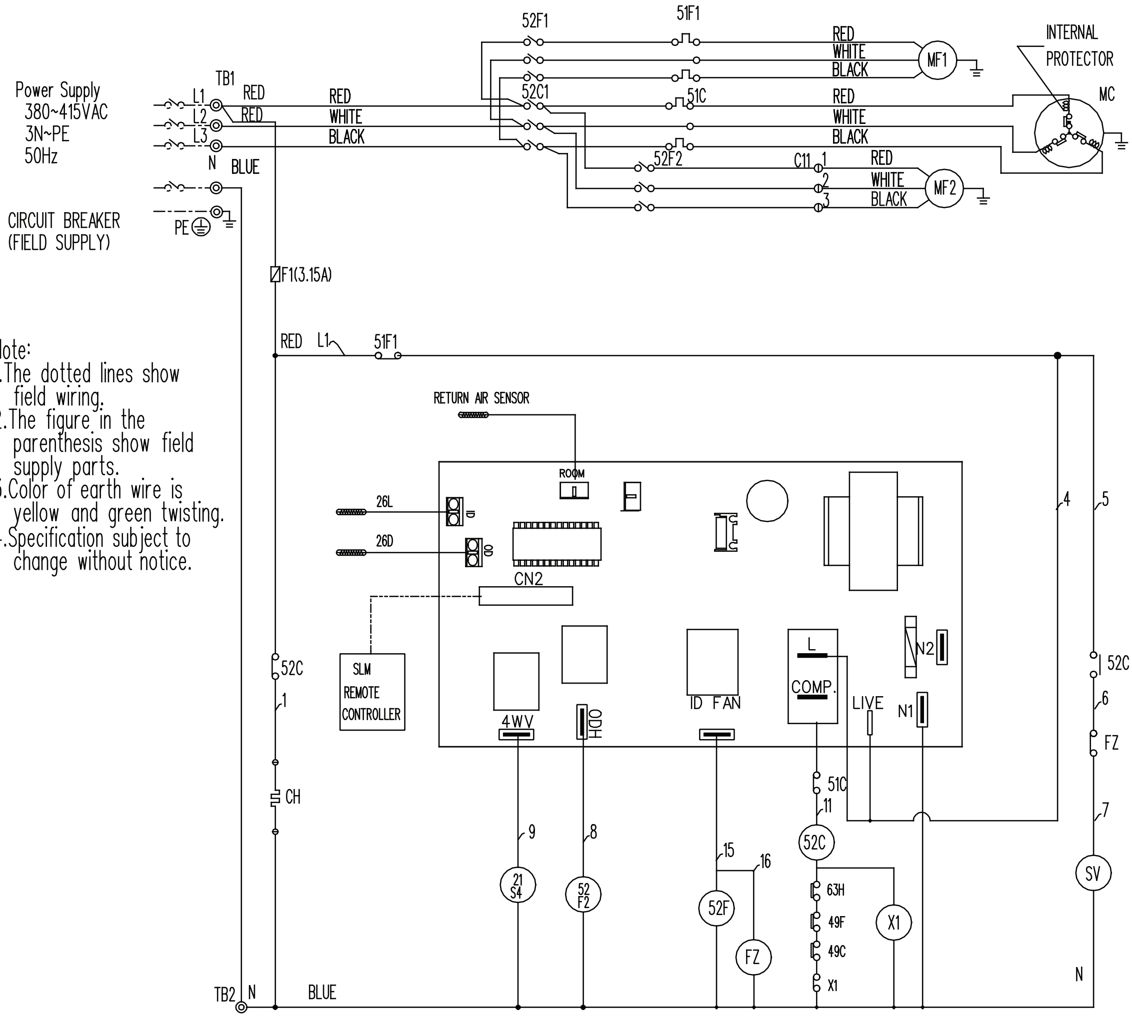

Note:
1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Specification subject to change without notice.

## ARRANGEMENT




| SYMBOL | NAME |
|---|---|
| MC | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2 | Fan motor (outdoor) |
| 52C | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 52F2 | Contactor (fan O/D) |
| 51C | Over current relay (comp) |
| TB1,2 | Terminal block |
| 51F1 | Over current relay(fan I/D) |
| 63H | High-pressure switch |
| CH | Crankcase heater |
| 21S4 | 4-Way valve |
| 26D | Sensor (defrost) |
| 26L | Sensor (freeze protection) |
| PCB | Printed circuit board |
| 47 | Phase protector/Discharge thermostat |
| X1 | Auxilliary Relay (Self hold) |
| X2, X3 | Auxilliary Relay (Defrost) |
| T | Timer (Defrost) |
| SV | Solenoid Valve |
| C1 | Capacitor (O/D Fan Motor) |
| ROOM | Return air sensor |
| CN2 | Remote controller |

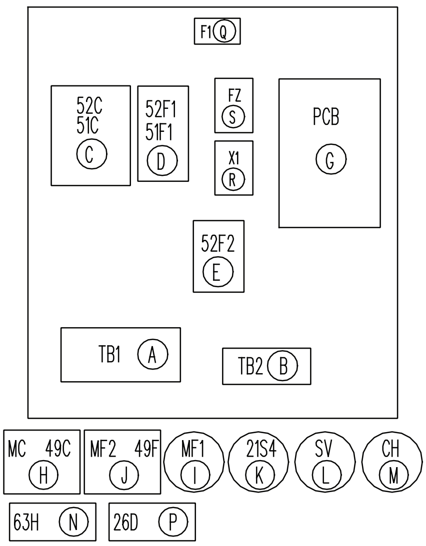
## MRT080/100AR




Note:
1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Specification subject to change without notice.

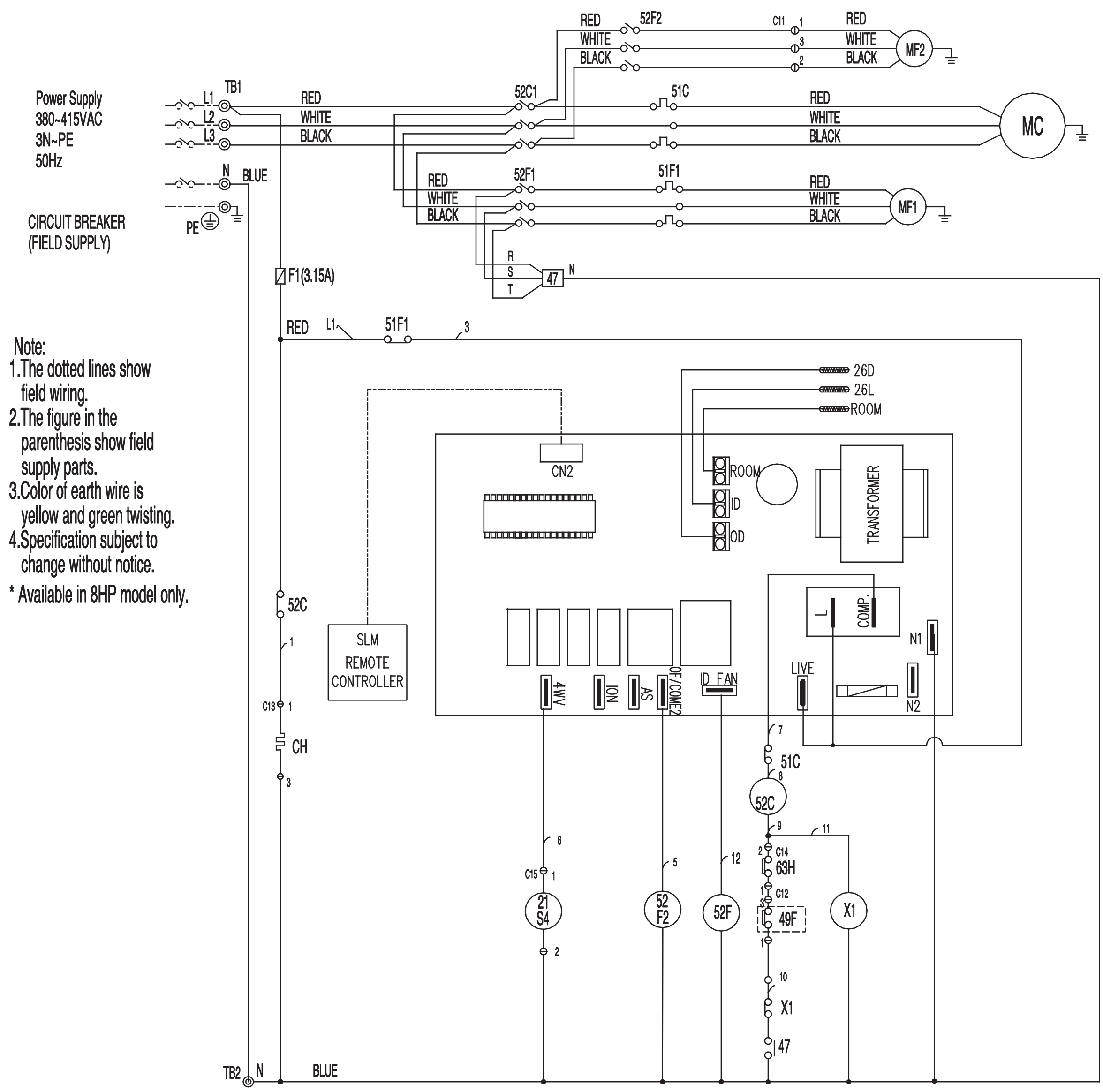
Caution,
1. To protect each Fan motors and Compressors from abnormal current, these Over current relays <51F1>,<51C> are installed. Therefore, do not change factory set value of these Over current relays.

### ARRANGEMENT

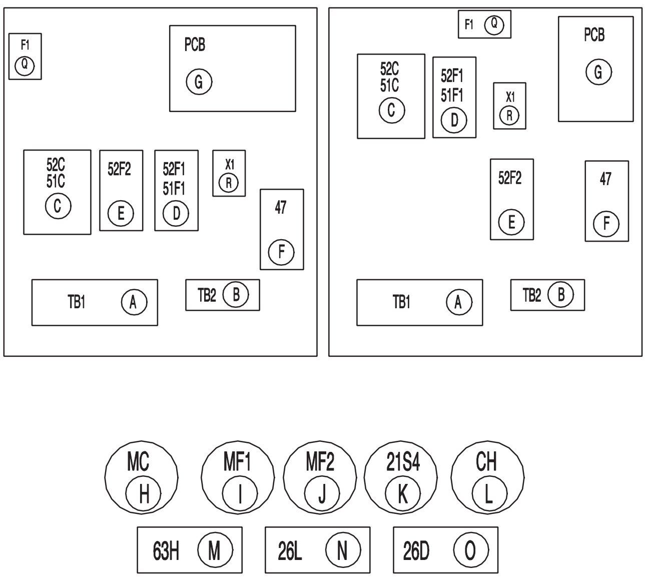



| SYMBOL | NAME |
|---|---|
| MC | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2 | Fan motor (outdoor) |
| 52C | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 52F2 | Contactor (fan O/D) |
| 51C | Over current relay (comp) |
| 51F1 | Over current relay(fan I/D) |
| F1 | Fuse (3.15A) |
| TB1,2 | Terminal block |
| 63H | High-pressure switch |
| CH | Crankcase heater |
| 21S4 | 4-Way valve |
| 26D | Sensor (defrost) |
| 26L | Sensor (freeze protection) |
| PCB | Printed circuit board |
| SV | Solenoid Valve |
| X1 | Auxilliary Relay (Self hold) |
| FZ | Auxilliary Relay (defrost) |
| 49F | Internal Protector (OD Fan) |
| 49C | Internal Protector (Comp) |

## M4RT080/100AR

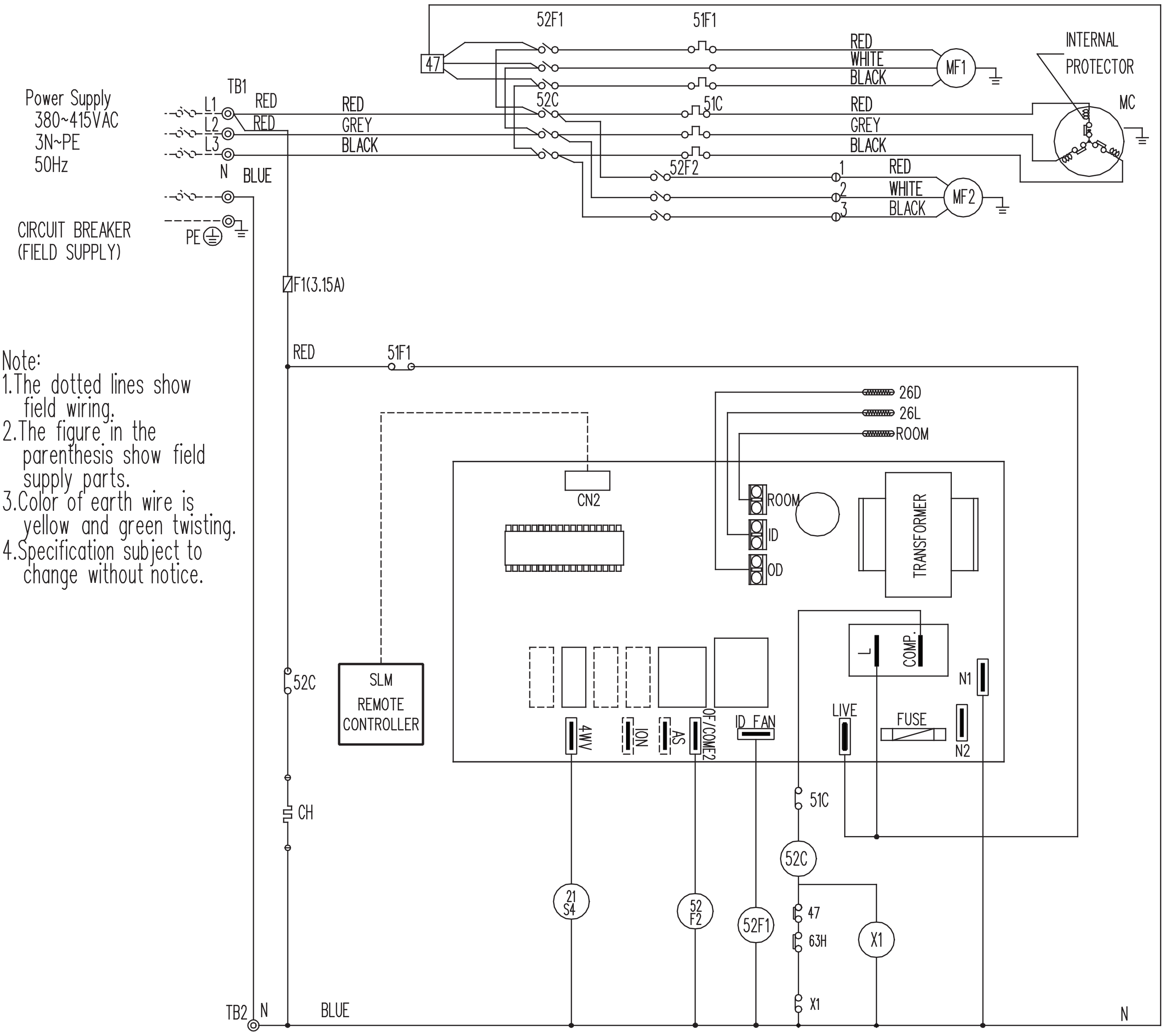



### ARRANGEMENT



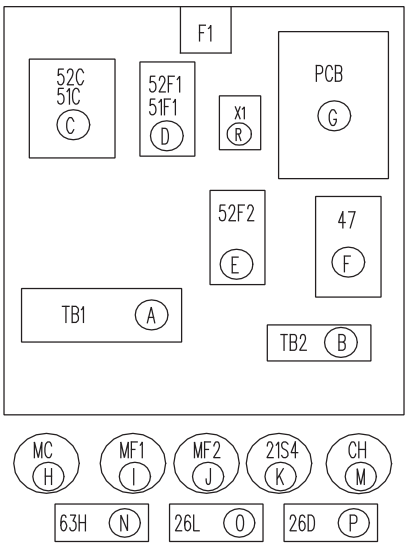

| SYMBOL | NAME |
|---|---|
| MC | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2 | Fan motor (outdoor) |
| 52C | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 52F2 | Contactor (fan O/D) |
| 51C | Over current relay (comp) |
| TB1,2 | Terminal block |
| F1 | Fuse (3.15A) |
| 51F1 | Over current relay(fan I/D) |
| 63H | High-pressure switch |
| CH | Crankcase heater |
| 21S4 | 4-Way valve |
| 26D | Sensor (defrost) |
| 26L | Sensor (freeze protection) |
| PCB | Printed circuit board |
| 47 | Phase protector/Discharge thermostat |
| X1 | Auxilliary Relay (Self hold) |
| * 49F | Internal Protector (OD Fan) |

## M(4)RT120AR



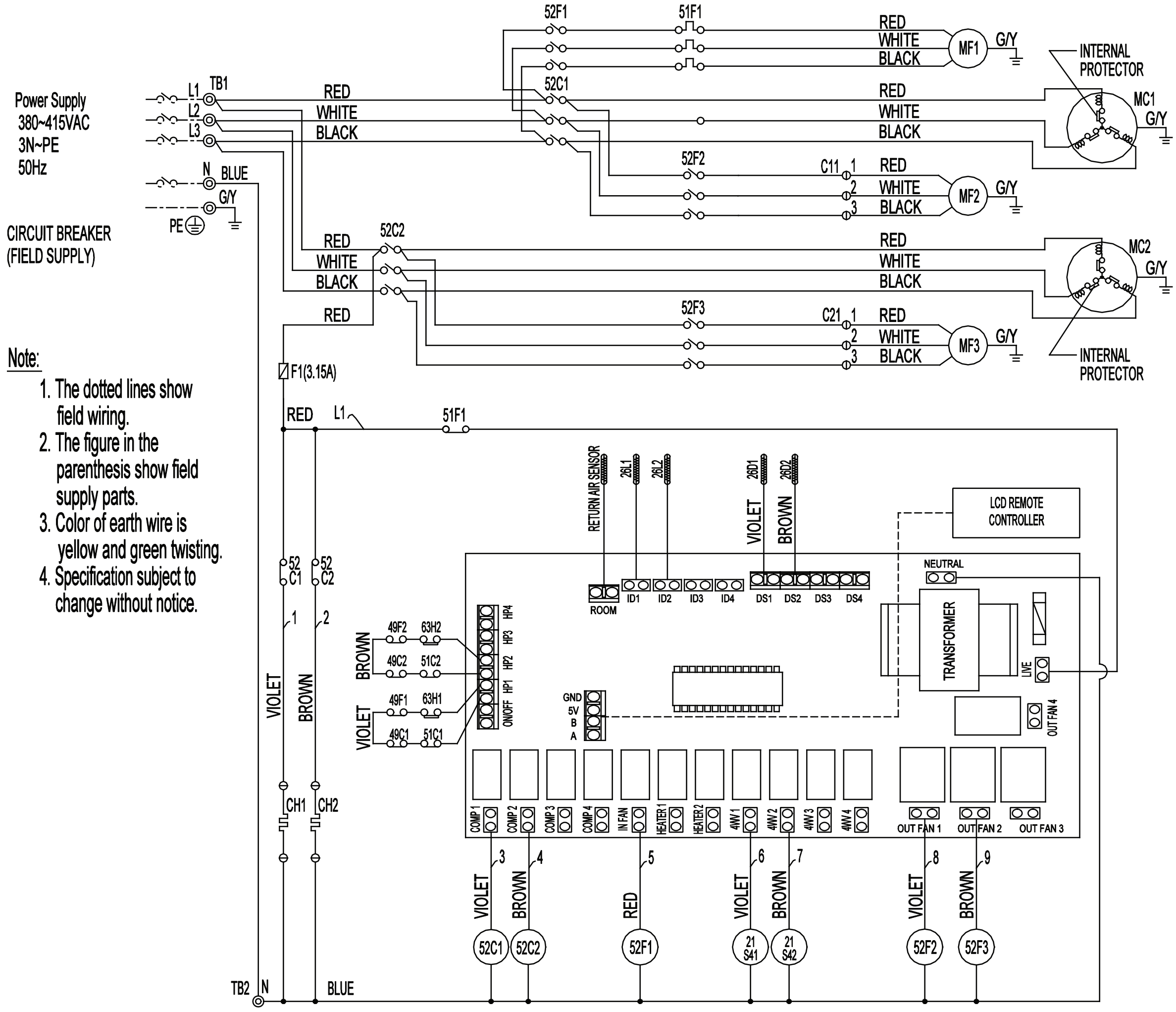

Note:
1.The dotted lines show field wiring.
2.The figure in the parenthesis show field supply parts.
3.Color of earth wire is yellow and green twisting.
4.Specification subject to change without notice.

### ARRANGEMENT




| SYMBOL | NAME |
| --- | --- |
| MC | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2 | Fan motor (outdoor) |
| 52C | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 52F2 | Contactor (fan O/D) |
| 51C | Over current relay (comp) |
| TB1,2 | Terminal block |
| F1 | Fuse (3.15A) |
| 51F1 | Over current relay(fan I/D) |
| 63H | High-pressure switch |
| CH | Crankcase heater |
| 21S4 | 4-Way valve |
| 26D | Sensor (defrost) |
| 26L | Sensor (freeze protection) |
| PCB | Printed circuit board |
| 47/DT | Phase protector/Discharge thermostat |
| X1 | Auxilliary Relay (Self hold) |
| ROOM | Return air sensor |

## MRT150/200AR



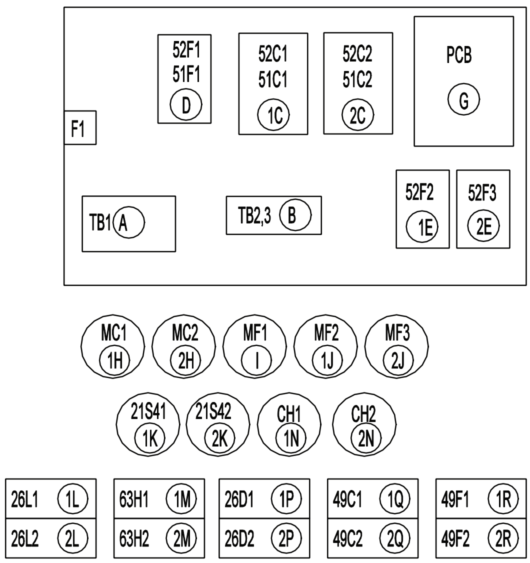

Note:

1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Specification subject to change without notice.

Caution,

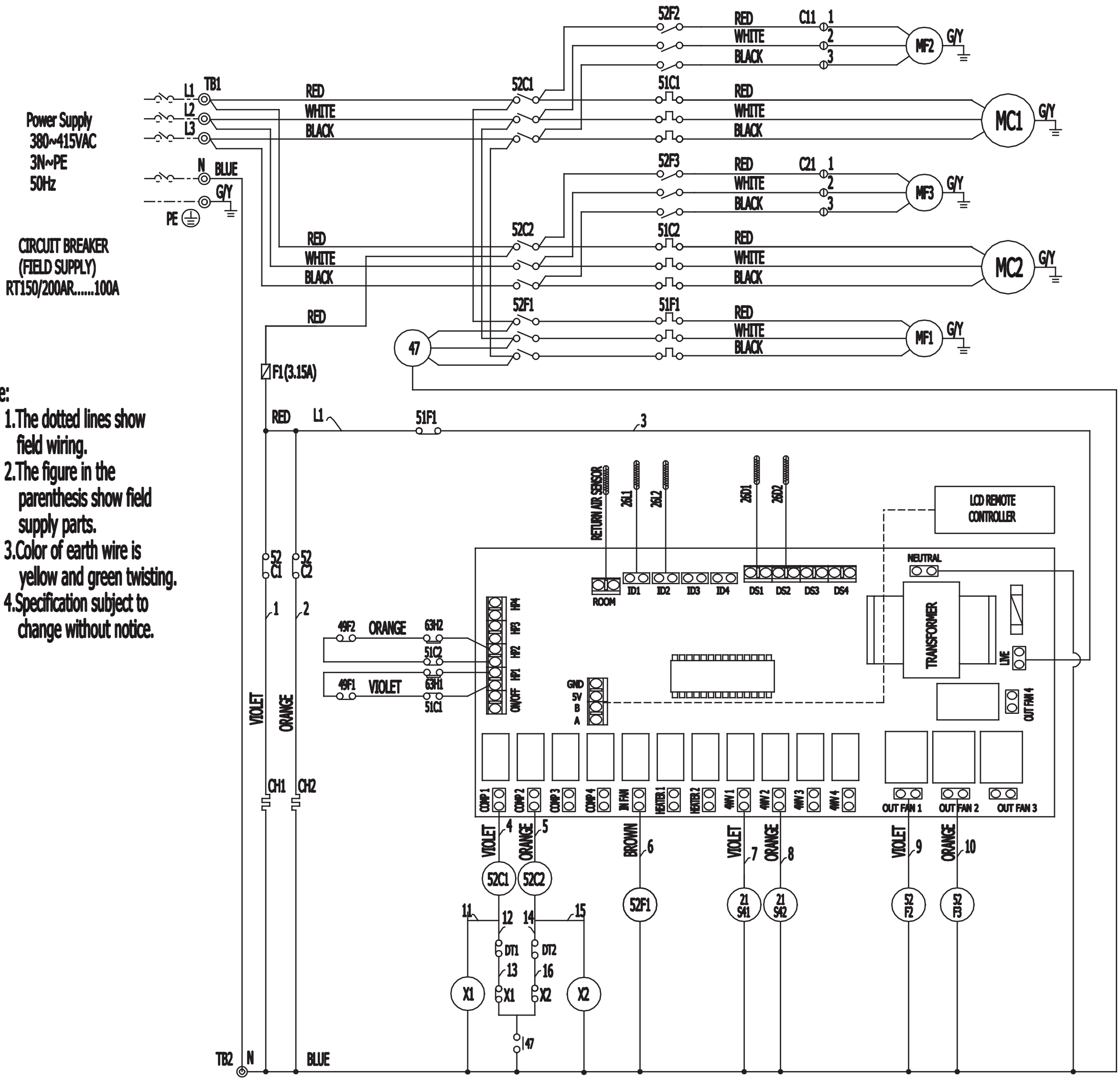
1. To protect each Fan motors and Compressors from abnormal current,these Over current relays <51F1>,<52C1> and <52C2> are installed. Therefore, do not change factory set value of these over current relays.

### ARRANGEMENT



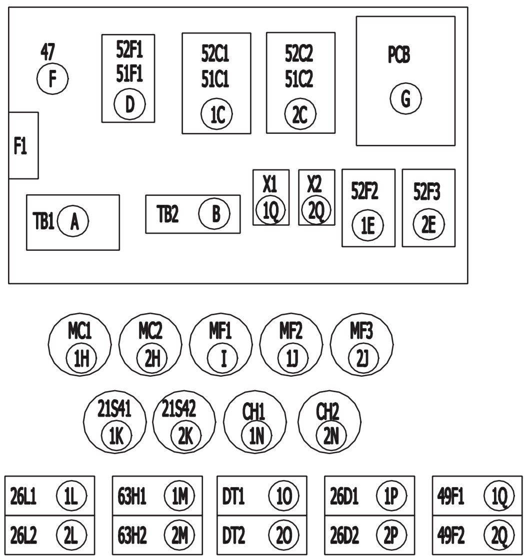

| SYMBOL | NAME |
|---|---|
| MC1,2 | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2,3 | Fan motor (outdoor) |
| 52C1,2 | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 52F2,3 | Contactor (fan O/D) |
| TB1,2 | Terminal block |
| F1 | Fuse (3.15A) |
| 51C1, C2 | Over current relay (COMP) |
| 51F1 | Over current relay (fan) |
| 63H1,2 | High-pressure switch |
| CH1,2 | Crankcase heater |
| 21S41,2 | 4-Way valve |
| 26D1,2 | Sensor (defrost) |
| 26L1,2 | Sensor (freeze protection) |
| PCB | Printed Circuit Board |
| 49F1, 2 | Internal Protector (Od fan) |
| 49C1, 2 | Internal Protector (comp) |

## M4RT150/200AR



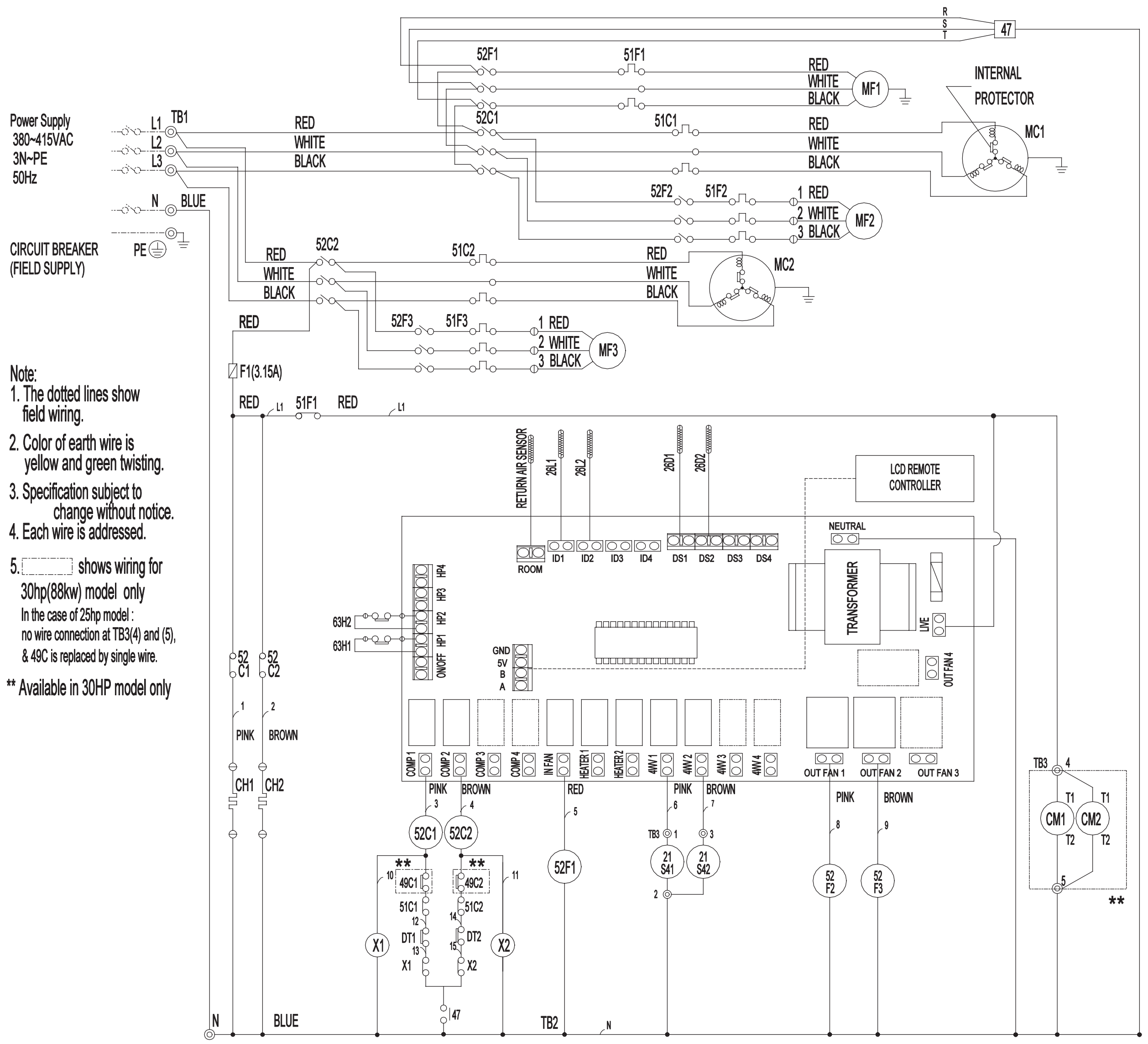

Note:
1. The dotted lines show field wiring.
2. The figure in the parenthesis show field supply parts.
3. Color of earth wire is yellow and green twisting.
4. Specification subject to change without notice.

### ARRANGEMENT




| SYMBOL | NAME |
|---|---|
| MC1,2 | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2,3 | Fan motor (outdoor) |
| 52C1,2 | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 52F2,3 | Contactor (fan O/D) |
| TB1,2,3 | Terminal block |
| F1 | Fuse (3.15A) |
| 51C1, C2 | Over current relay (COMP) |
| 51F1 | Over current relay (fan) |
| 63H1,2 | High-pressure switch |
| CH1,2 | Crankcase heater |
| 21S41,2 | 4-Way valve |
| 26D1,2 | Sensor (defrost) |
| 26L1,2 | Sensor (freeze protection) |
| PCB | Printed Circuit Board |
| 47 | Phase protector |
| DT1, 2 | Discharge thermostat |
| 49F1, 2 | Internal Protector (Od fan) |
| X1, 2 | Auxiliary Relay (Self hold) |

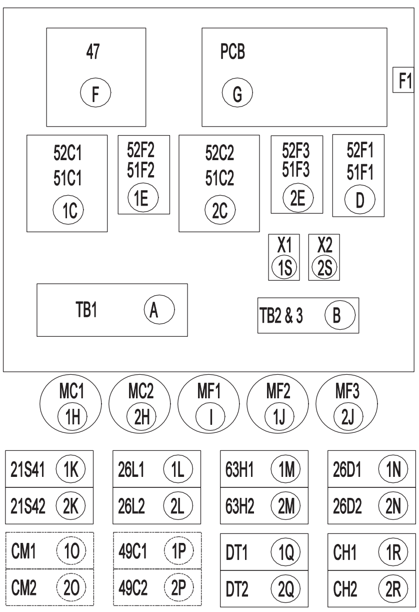
# M(4)RT250/300AR




Note:
1. The dotted lines show field wiring.
2. Color of earth wire is yellow and green twisting.
3. Specification subject to change without notice.
4. Each wire is addressed.
5. [dashed box] shows wiring for 30hp(88kw) model only
In the case of 25hp model : no wire connection at TB3(4) and (5), & 49C is replaced by single wire.

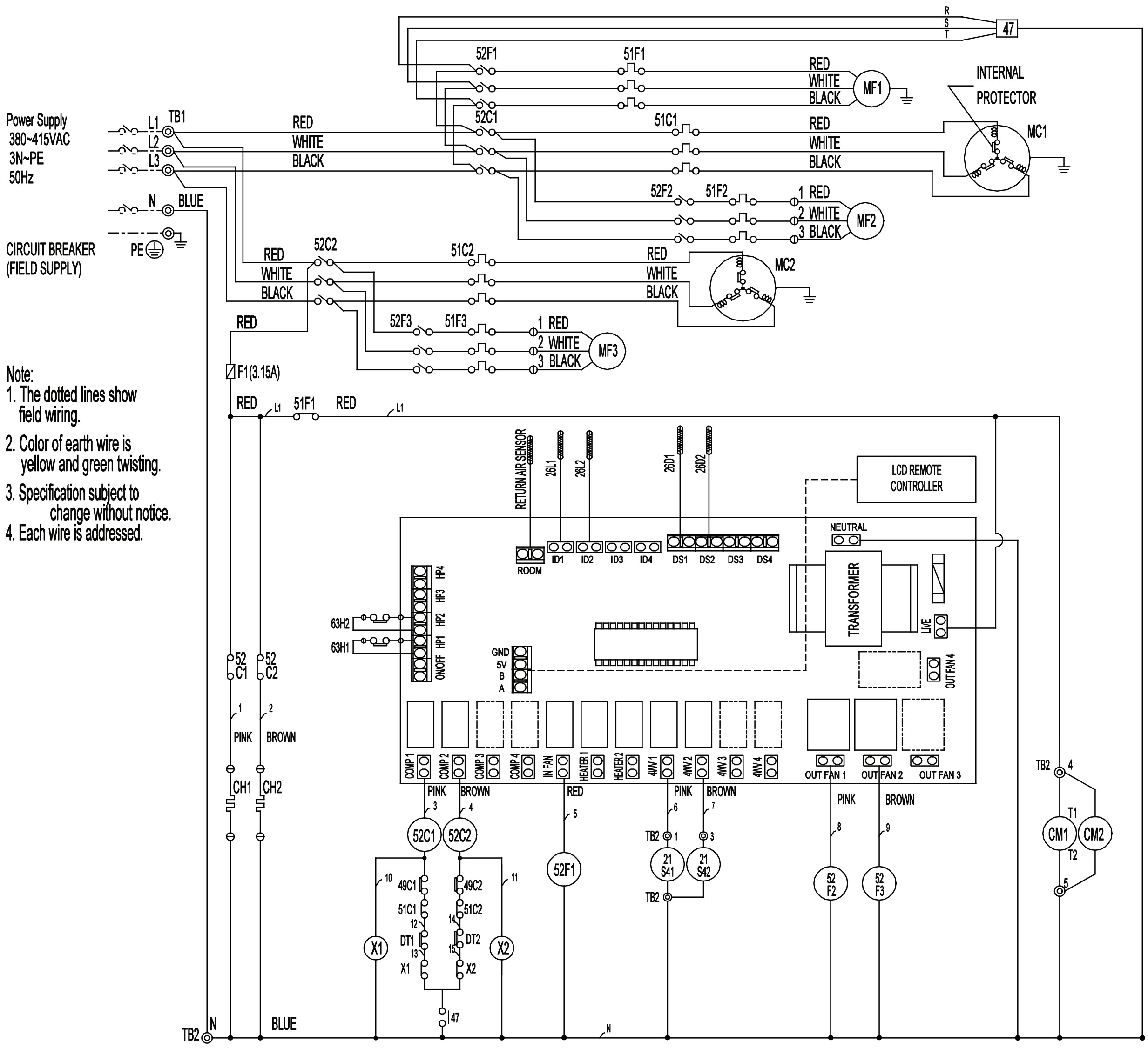
** Available in 30HP model only

## ARRANGEMENT

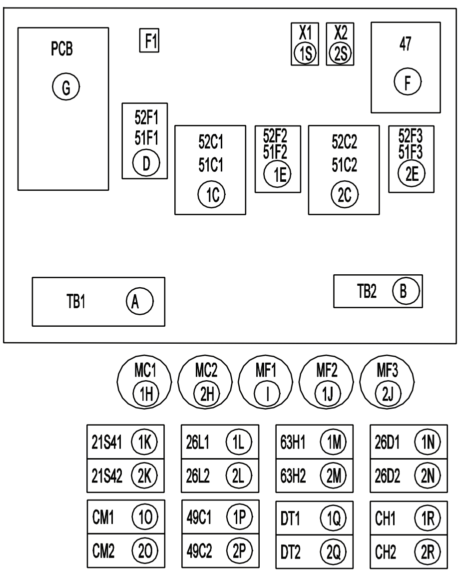



| | SYMBOL | NAME |
|---|---|---|
| | MC1,2 | Compressor motor |
| | MF1 | Fan motor (indoor) |
| | MF2,3 | Fan motor (outdoor) |
| | 52C1,2 | Contactor (compressor) |
| | 52F1 | Contactor (fan I/D) |
| | 52F2,3 | Contactor (fan O/D) |
| | 51C1,C2 | Overload Protector (compressor) |
| | TB1,2,3 | Terminal block |
| | F1 | Fuse (3.15A) |
| | 51F1 | Overload Protector (fan I/D) |
| | 51F2,F3 | Overload Protector (fan O/D) |
| | 63H1,2 | High-pressure switch |
| | CH1,2 | Crankcase heater |
| | 21S41,2 | 4-Way valve |
| | 26D1,2 | Sensor (defrost) |
| | 26L1,2 | Sensor (freeze protection) |
| | PCB | Printed Circuit Board |
| | 47 | Phase Protector |
| | DT1,2 | Discharge Thermostat |
| | X1,2 | Auxilliary Relay (Self Hold) |
| ** | 49C1,C2 | Compressor Internal Overload |
| ** | CM1,2 | Compressor Control Module |

## M(4)RT360/420AR




### ARRANGEMENT




| SYMBOL | NAME |
|---|---|
| MC1,2 | Compressor motor |
| MF1 | Fan motor (indoor) |
| MF2,3 | Fan motor (outdoor) |
| 52C1,2 | Contactor (compressor) |
| 52F1 | Contactor (fan I/D) |
| 52F2,3 | Contactor (fan O/D) |
| 51C1,C2 | Overload Protector (compressor) |
| TB1,2,3 | Terminal block |
| F1 | Fuse (3.15A) |
| 51F1 | Overload Protector (fan I/D) |
| 51F2,51F3 | Overload Protector (fan OD) |
| 63H1,2 | High-pressure switch |
| CH1,2 | Crankcase heater |
| 21S41,2 | 4-Way valve |
| 26D1,2 | Sensor (defrost) |
| 26L1,2 | Sensor (freeze protection) |
| PCB | Printed Circuit Board |
| 47 | Phase Protector |
| DT1,2 | Discharge Thermostat |
| X1,2 | Auxilliary Relay (Self Hold) |
| 49C1,C2 | Compressor Internal Overload |
| CM1,2 | Compressor Control Module |

# Servicing & Maintenance

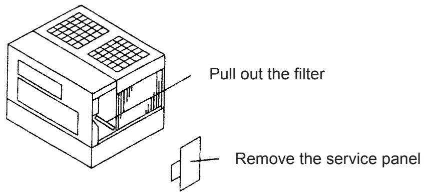
**For Superior Performance And Lasting Durability, Please Do Not Forget To Conduct Proper And Regular Maintenance.**

> ⚠ **Warning**
> **1.Do not wash the unit with water.**
> If washed with water, electrical shock may be caused.
> **2.Turn off power source.**
> For safety, turn the power source off before service work to avoid electronical shock.

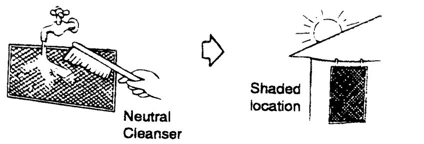
### 1.1 Cleaning The Saranet Filter

The standard unit comes with a saranet filter. Clean the saranet filter about once a week with a neutral cleanser and leave it to dry in a shady location. If using an air filter which is special order or field supplied, please refer to filter supplier for maintenance and care instructions.
Clean more regularly if the air filter gets very dirty.
If the filter gets blocked, air will not be sucked in properly, and the cooling effect will deteriorate.
Failure to clean the saranet filter may result in equipment breakdown or malfunction.

1. Removing the saranet filter.
   The saranet filter is mounted in the service panel.
   (in front of the heat exchanger.)




2. The saranet filter is cleaned with cleaner or washed in clear water.
   Please wash the dirty saranet filter in lukewarm water with neutral detergent.
   Please do not use hot water of 50ºC or more, as it can deform the filter.
   Do not scrub or wring dry the filter as this can damage the filter.
   Rinse thoroughly and ensure there is no detergent remaining.
3. When the filter is washed in clear water, dry it under the shade.
   Please do not dry under direct sunshine and direct fire.




4. The saranet filter is installed as before.

### 1.2 Cleaning Of Panel

Clean dirt off panel as follows.
Use a household neutral cleanser such as dishwashing liquid. Moisten a soft cloth with the cleanser, then wipe lightly.
Next, wipe three or four times with another soft cloth moisten with water.
Finally, wipe off all the remaining cleanser with a soft cloth.

Moisten a soft cloth with the alcohol, then wipe off lightly.
Isopropyl alcohol is sold at stores as reagents in small quantities.

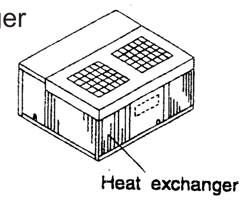
**Fingermarks** / **Grease** ➡ **Neutral Cleanser**

**Adhesive** / **Paste** ➡ **Isopropyl alcohol**

> Note:
> Alcohol is highly combustible. Take extreme care when handing. Also, do not use paint or adhesive thinner.

### 1.3 Cleaning The Outdoor Heat Exchanger

If you use your air conditioner for prolonged periods, the outdoor heat exchanger will become dirty, impairing its function and reducing the air conditioner's performance. Consult your equipment supplier or air conditioning contractor on how to clean the heat exchanger.




### 1.4 Starting The Air Conditioner After Service Works

Please turn on the power supply after checking is done and no abnormality is found.
Please do the following work.
It is confirmed that air inlet and outlet are not blocked.
It is confirmed that the earth connection line does not come off.
The earth connection line is firmly installed in the unit.
It is confirmed that there is neither lifting, blocking, nor bending of the drain-hose.
1. The controller is in the OFF position.
2. The power supply switch is turned on.

### 1.5 When The Air Conditioner Is Not To Be Used For A Long Time

If the air conditioner is not to be used for a long time due to seasonal change, etc.,
Please do the following work.

1. The power supply switch is turned off.
   If the power supply is kept on, several watts or several tends of watts will be wasted.
   The accumulation of dust, etc., can result in fire.
2. Filter, and drain pan must be cleaned. Pay attention to clean dust in the drain.
3. Run it for 4-5 hours with the air blowing until the inside is completely dry.
   Failing to do so can result in the growth of unhygienic, unhealthy mold in scattered areas throughout the room.

### 1.6 In Case Of Failure

(1) Never remodel the air conditioner by yourself. Consult your dealer for any repair service.
Improper repair work can result in water leakage, electric shock, fire, etc.
(2) If the power breaker is frequently activated, get in touch with your dealer.
Leaving the unit as it is under such conditions can result in fire or failure.
(3) If refrigerant gas blows out or leaks, stop the operation of the air conditioner.
Thoroughly ventilate the room, and contact your dealer.
Leaving the unit as it is can result in accidents due to oxygen deficiency.

## 2. Transferring Work And Construction

### 2.1 Transfer Of Installation

(1) When removing and reinstalling the air conditioner, consult with your dealer in advance to ascertain the cost of the professional engineering work required for transferring the installation.
(2) Please do not use refrigerant other than the specified refrigerant when you top-up/recharge the refrigerant at the new installation site .
(3) When moving or reinstalling the air conditioner, consult with your dealer.
Defective installation can result in electric shock, fire, etc.

### 2.2 Place For Installation

Please do not use the unit in the following places.
(1) Places with a lot of oil, moisture, and dust.
(2) Places with high salinities such as seaside.
(3) Places where sulfur gas, volatile gas, and corroded gas are filled.
(4) Places where acid solution is frequently used.
(5) Places where special spray is frequently used.
(6) Hot spring zones.
(7) Near to machines that generate high cycles (High cycle welding machine etc.).
(8) Places where ventilation entrance of unit is closed by snowfall.
(9) The unit must be installed on stable, level surface.
The consequence of using a unit in the places mentioned above is the main body might corrode, the refrigerant might leak, the performance of the unit might decrease remarkably, and it might cause damage of parts in the unit.

### 2.3 Regarding Electric Work

(1) The electrical work must be undertaken by a person who is qualified as an electrical technician with respect to local governing laws.
(2) Please install the earth connection for the electric shock prevention.
(3) Never connect the grounding wire to a gas pipe, water pipe, arrestor, or telephone grounding wires. For details, consult with your dealer.
(4) In some types of installation sites, the installation of an earth leakage breaker is mandatory.
For details, consult with your dealer.
(5) The breaker and the fuse must be of correct capacity.

### 2.4 Consideration Of The Noise

(1) Take sufficient measures against noise when installing the air conditioners at hospitals or communications related businesses.

(2) If the air conditioner is used in any of the above-mentioned environments, frequent operational failure can be expected. It is advisable to avoid these type of installation sites. For further details, consult with your dealer.

(3) Choose a place where cool air and noise from the outdoor air outlet of the air conditioner do not inconvenience the neighbors.

(4) Obstacles placed near the air outlet of the unit can decrease performance and increase noise. Avoid placing any obstacles adjacent to the air outlet.

(5) If the air conditioner produces any abnormal sound, consult your dealer.

### 2.5 Disposing Of The Unit

When you need to dispose of the unit, consult your dealer.
If pipes are removed incorrectly, refrigerant (fluorocarbon gas) may blow out and come into contact with your skin, causing injury. Releasing refrigerant into the atmosphere also damages the environments.

### 2.6 Maintenance And Inspection

(1) If the air conditioner is used throughout several seasons, the inside can get dirty and eventually reduce the performance.

(2) Depending upon the conditions of usage, foul odors can be generated and drainage can deteriorate due to dust, dirt, etc.

# Troubleshooting

Whena malfunction of the air conditioner unit is detected, immediately switch off the main power supply before proceeding with the following troubleshooting procedures.
The following are common fault conditions and simple troubleshooting tips. If any other fault conditions which are not listed occur, contact your nearest local dealer. DO NOT attempt to troubleshoot the unit by yourself.

| No | Fault conditions | Possible causes / corrective actions |
|---|---|---|
| 1 | The air conditioner unit will not resume after power failure. | • The auto restart function is not functioning. Please turn on the unit with the wireless / wired controller. |
| 2 | The compressor does not operate 3 minutes after the air conditioner unit is started. | • Protection against frequent starting.<br>• Wait for 3 or 4 minutes for the compressor to start operating by it self. |
| 3 | The airflow is too slow or room cannot be cooled sufficiently. | • The air filter is dirty.<br>• The doors and windows are opened.<br>• The air suction and discharge of both indoor and outdoor units are clogged or blocked.<br>• The regulated temperature or temperature setting is not low enough. |
| 4 | Discharge airflow has bad odor. | • Cigarettes, smoke particles, perfume and others, which might have adhered onto the coil, may cause odor.<br>• Contact your nearest dealer. |
| 5 | Condensation on the front air grille of the indoor unit. | • This is caused by air humidity after an extended period of operation.<br>• The set temperature is too low. Increase the temperature setting and operate the unit at high fan speed. |
| 6 | Water flowing out from the air conditioner. | • Switch off the unit and contact your nearest dealer. This might be due to tilted installation. |
| 7 | Hissing airflow sound from the air conditioner unit during operation. | • Liquid refrigerant flowing into the evaporator coil. |
| 8 | The wireless controller display is dim. | • The batteries are discharged.<br>• The batteries are not correctly inserted.<br>• The assembly is not good. |
| 9 | Compressor operates continuously. | • Dirty air filter. Clean the air filter.<br>• Temperature setting too low (cooling). Use higher temperature setting.<br>• Temperature setting too high (heating), Use lower temperature setting. |
| 10 | No cool air comes out during cooling cycle, or no hot air comes out during heating cycle. | • Temperature setting too high (cooling). Use lower temperature setting.<br>• Temperature setting too low (heating). Use higher temperature setting. |
| 11 | On heating cycle, warm air does not come out. | • Unit is in defrost mode. Heating operation will resume after defrost cycle ends. |

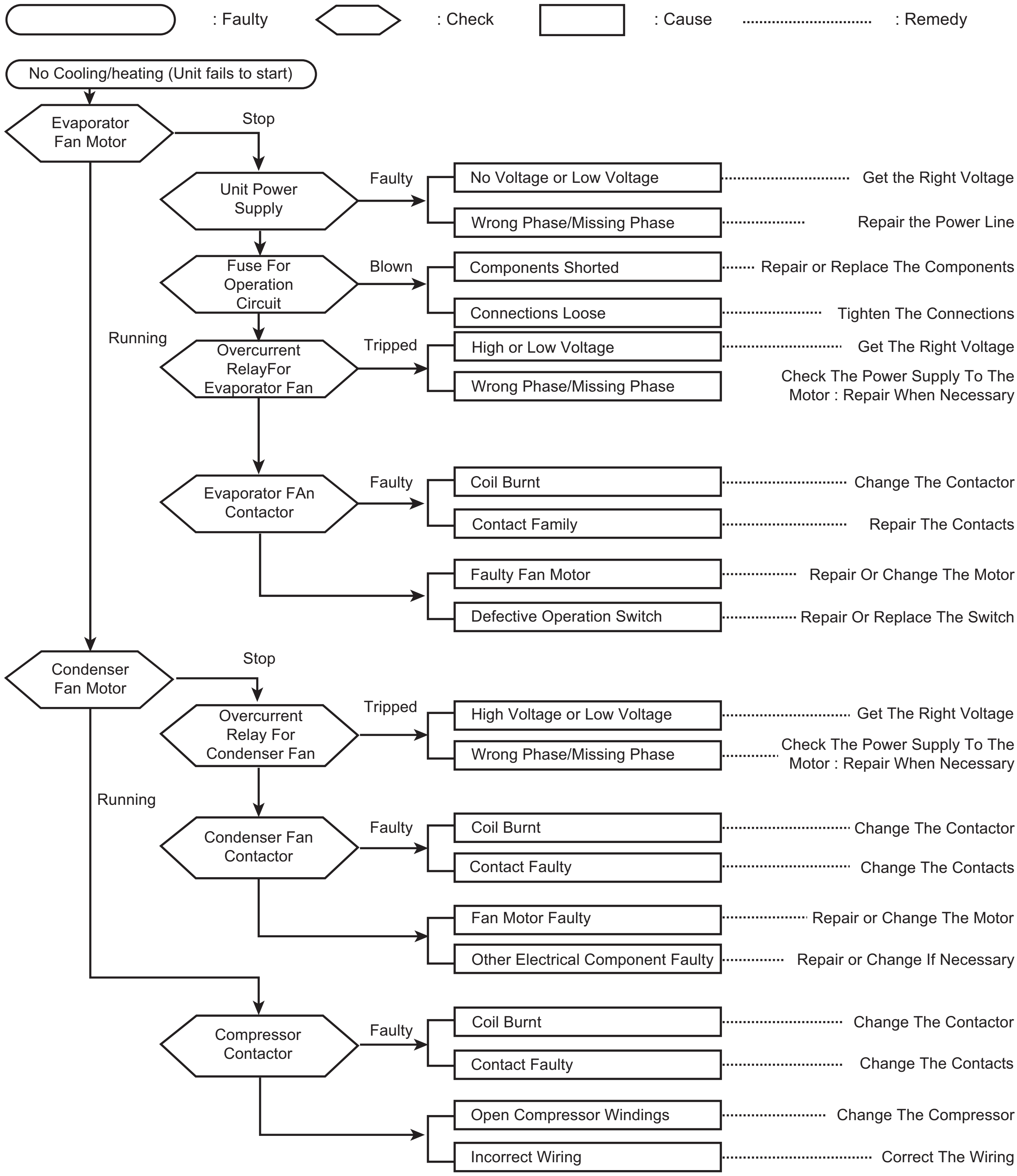
## Diagnostic Guidelines

By means of pressure readings:

| Circuit \ Data | Pressure: Too low | A little low | Normal | A little high | Too high | Probable cause |
|---|---|---|---|---|---|---|
| **High side** | | | | | • | 1. Overcharged with refrigerant.<br>2. Non-condensable gases in refrigerant circuit (e.g. air)<br>3. Obstructed air-intake / discharge.<br>4. Hot air short circuiting in outdoor unit. |
| **Low side** | | | | | • | |
| **High side** | • | | | | | 1. Poor compression / no compression (compressor defective)<br>2. Reversing valve leaking. |
| **Low side** | | | | | • | |
| **High side** | | • | | | | 1. Undercharged with refrigerant.<br>2. Refrigerant leakage.<br>3. Air filter clogged / dirty (indoor unit).<br>4. Indoor fan locked / seized.<br>5. Defective defrost control, outdoor coil freeze up (heating).<br>6. Outdoor fan locked / seized (heating). |
| **Low side** | • | | | | | |
| **High side** | | | | | • | 1. Outdoor fan blocked (cooling).<br>2. Outdoor coil dirty (cooling).<br>3. Indoor fan locked / seized (heating).<br>4. Indoor air filter clogged / dirty (heating).<br>5. Non-condensable gases in refrigerant circuit (e.g. air) |
| **Low side** | | | | • | | |
| **High side** | | | | • | | 1. Air intake temperature of indoor unit too high. |
| **Low side** | | | | | • | |

**By Means of Diagnostic Flow Chart:**
Generally, there are two kinds of problems, i.e. starting failure and insufficient cooling/heating. “Starting failure” is caused by electrical defect while improper application or defects in refrigerant circuit causes “Insufficient cooling / heating”.

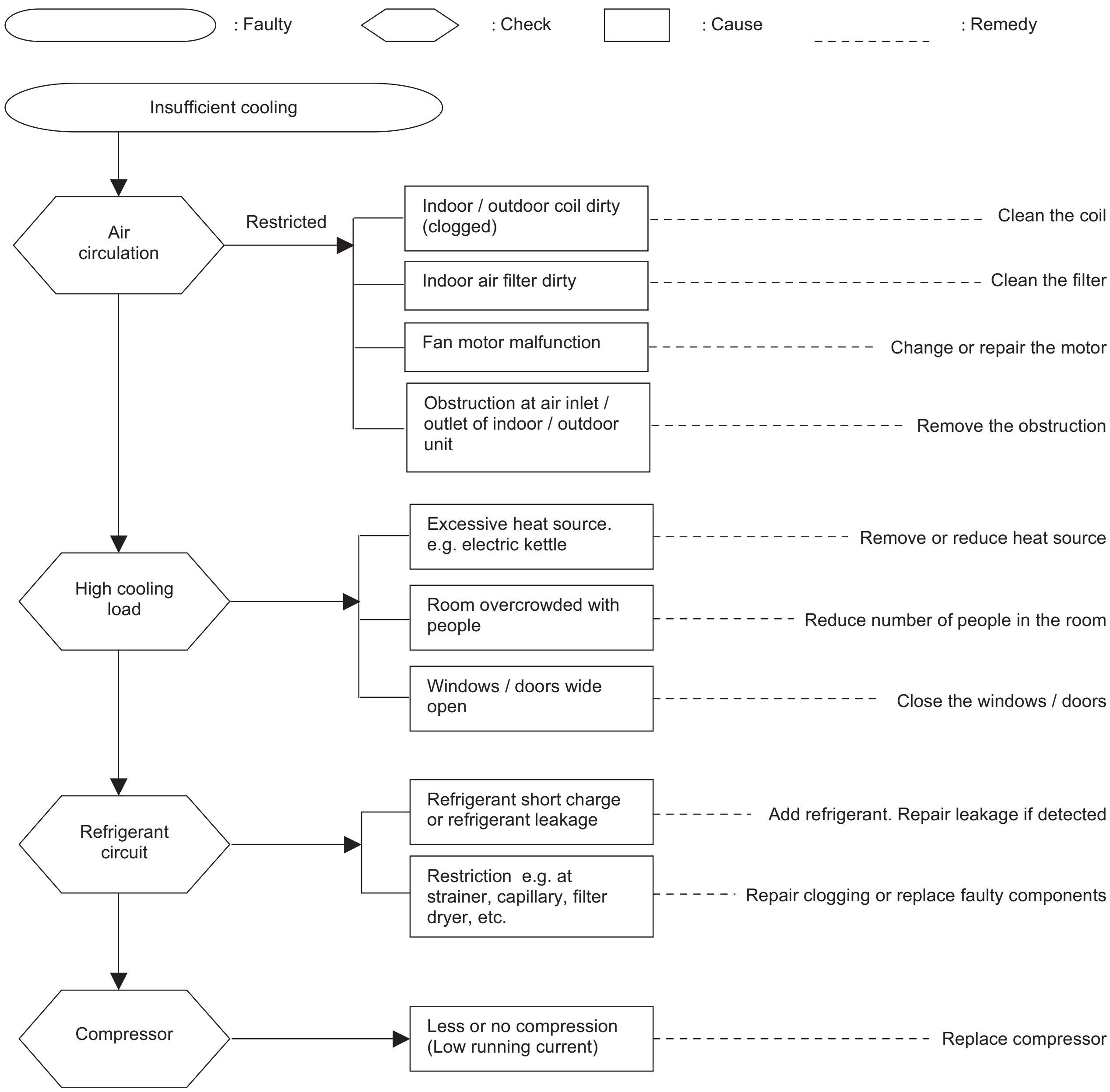
### i) Diagnosis of Electric Circuit



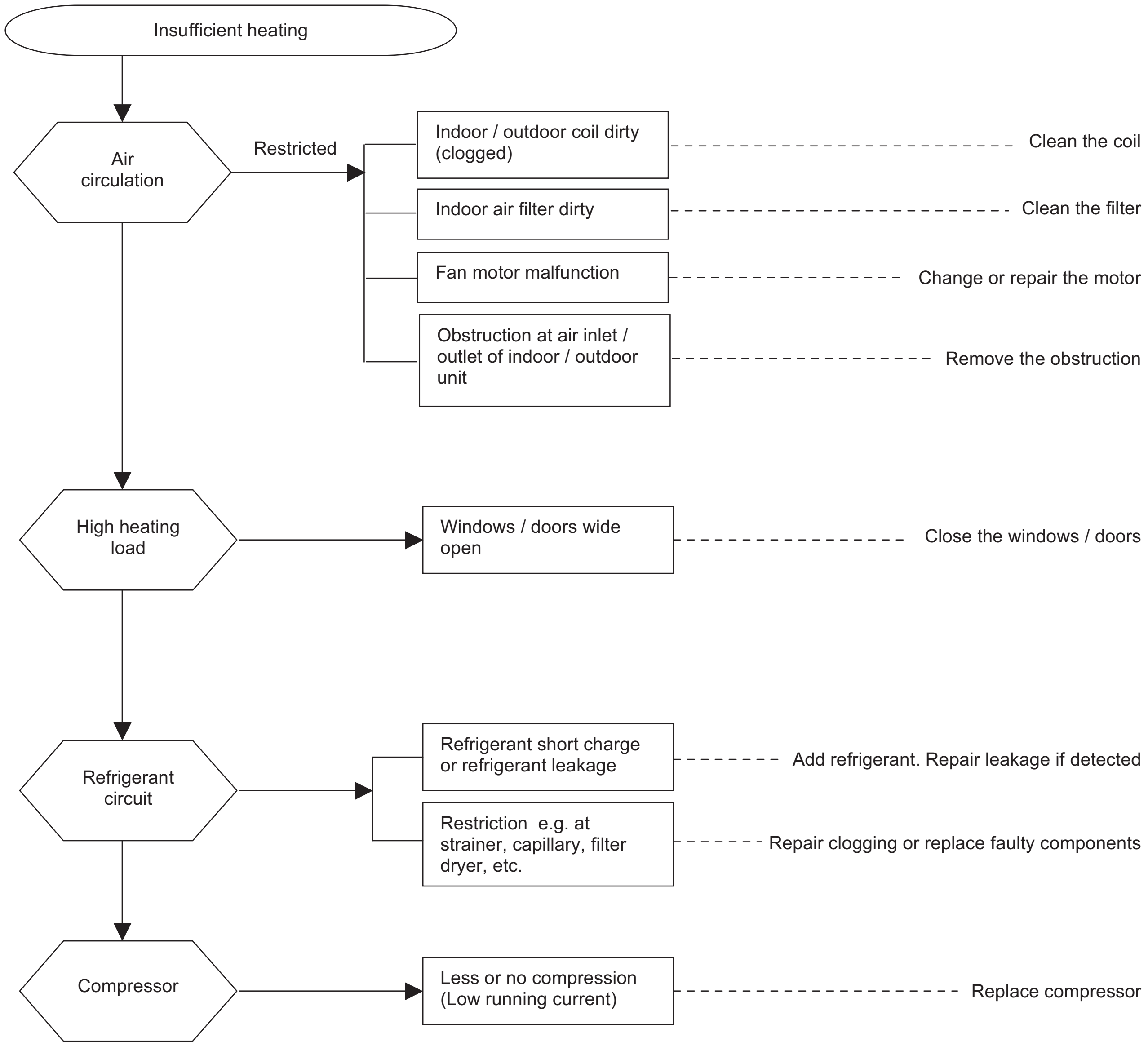

The most common causes of air conditioner failure to “start” are :
a) Voltage not within ±10% of rated voltage.
b) Power supply interrupted.
c) Improper control settings.
d) Air conditioner is disconnected from main power source.
e) Fuse blown or circuit breaker off.

## ii ) Diagnosis of Refrigerant Circuit / Application

There might be some causes where the unit starts running but does not perform satisfactorily, i.e. insufficient cooling. Judgement could be made by measuring temperature difference of indoor unit's intake and discharge air as well as running current.



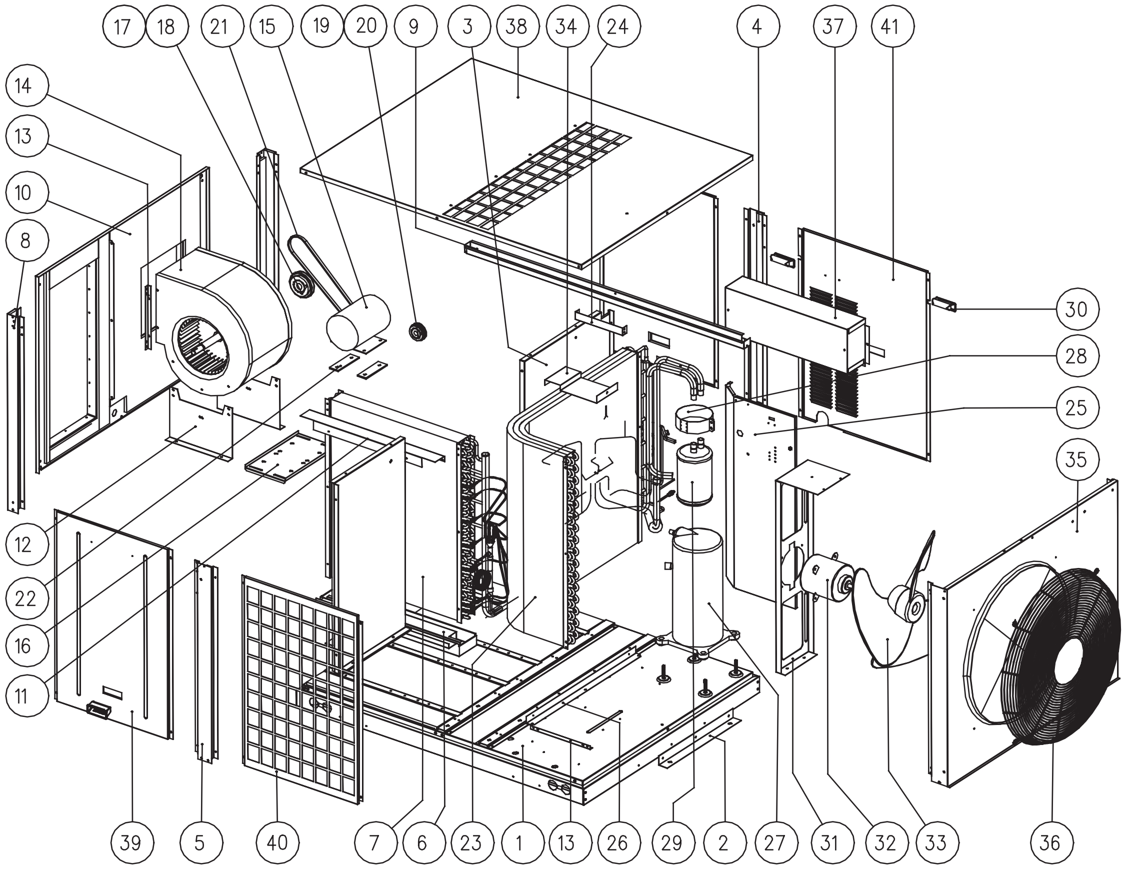

Satisfactory operation with temperature difference of air intake & discharge of indoor unit 8°C to 13°C. *
( * value is for reference only )




Satisfactory operation with temperature difference of air intake & discharge of indoor unit 14°C to 20°C. *
( * value is for reference only )

# Exploded View & Part List

## Model : MRT055A/AR

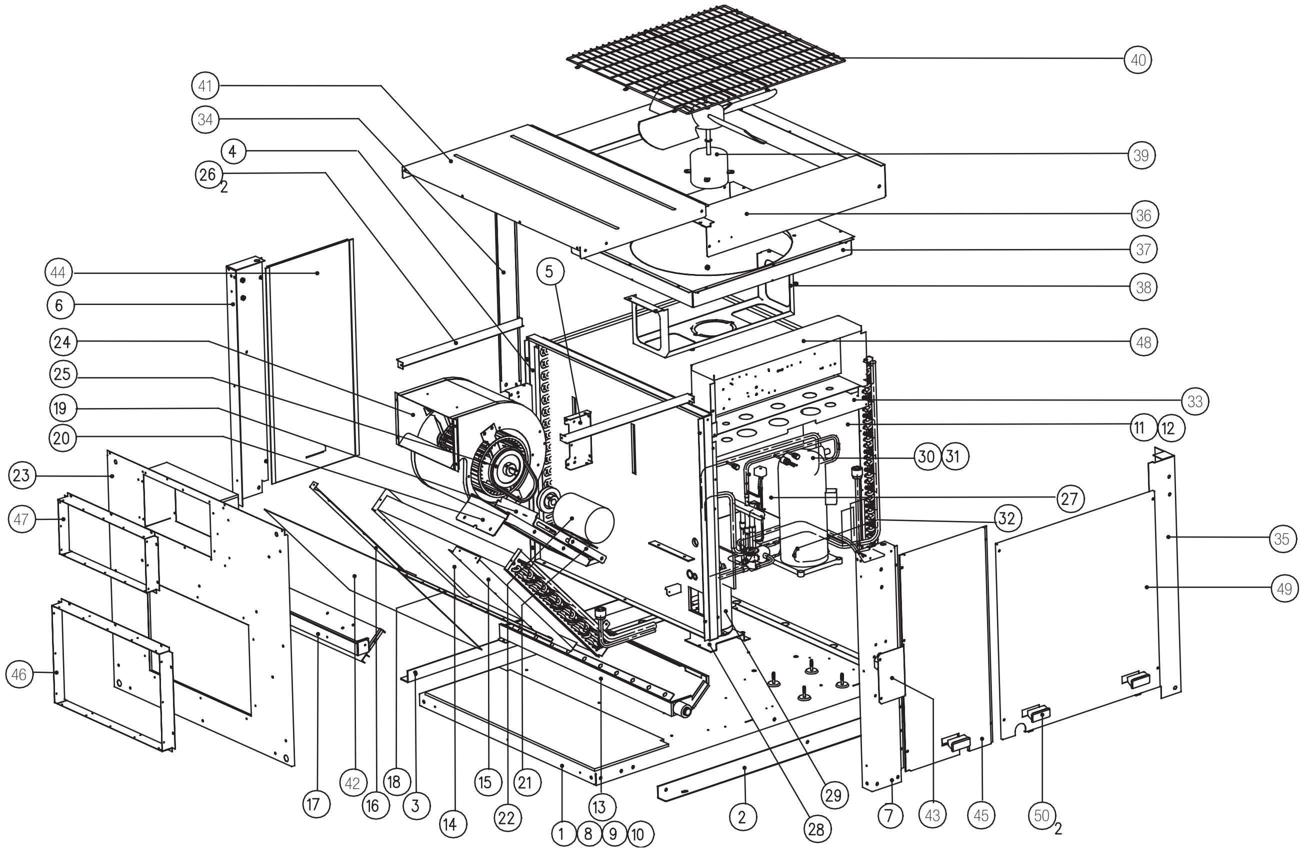



| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL | |
|---|---|---|---|---|
| | | | MRT055A | MRT055AR |
| 1 | ASSY, BASE PAN | R50014087977 | √ | √ |
| 2 | PLATE, BASE | R01014091023 | √ | √ |
| 3 | PANEL, PARTITION | R01014087780 | √ | - |
| | PANEL, PARTITION A | R01014093072 | - | √ |
| 4 | PILLAR, CENTER LEFT | R01014087778 | √ | √ |
| 5 | PILLAR, CENTER RIGHT | R01014087779 | √ | √ |
| 6 | ASSY, DRAIN PAN | R50014093086 | √ | √ |
| 7 | ASSY, INDOOR COIL RT55A | R50024093089 | √ | - |
| | ASSY, INDOOR COIL RT55AR | R50024093087 | - | √ |
| 8 | PILLAR LEFT | R01014087777 | √ | √ |
| 9 | STRUCTURE, TOP | R01014087788 | √ | √ |
| 10 | ASSY, FRONT PANEL (P093064) | R50014093065 | √ | √ |
| 11 | RAIL FILTER COIL OD | R01014087801 | √ | √ |
| 12 | SUPPORT, BLOWER | R01014087793 | √ | √ |
| 13 | SUPPORT, BLOWER 2/COIL | R01014091020 | √ | √ |
| 14 | BLOWER, AT10/8 NICOTRA AT01600312X1100 | R03029012648 | √ | √ |
| 15 | MOTOR, 0.75KW 50HZ R P714566X03 HITACHI | R03039004556 | √ | √ |
| 16 | SUPPORT, MOTOR | R01014087794 | √ | √ |
| 17 | PULLEY, BUSH 1210/20 | R03044039700 | √ | √ |
| 18 | PULLEY, 1 SPZ 100/1210 | R03044048694 | √ | √ |
| 19 | PULLEY, BUSH 1108/19 | R03049012643 | √ | √ |
| 20 | PULLEY, 1 SPZ 63/1108 | R03049013762 | √ | √ |
| 21 | BELT, V SPZ 1000 | R03054039741 | √ | √ |
| 22 | SHEET, RUBBER PRH5/8 t5.0x140x40mm | R11024023291 | √ | √ |
| 23 | ASSY., OUTDOOR COIL RT55A 2R18FPI | R50024087649 | √ | - |
| | ASSY., OUTDOOR COIL RT55AR | R50024088120 | - | √ |
| 24 | SUPPORT, ENDPLATE | R01014087797 | √ | √ |

| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL | |
|---|---|---|---|---|
| | | | MRT055A | MRT055AR |
| 25 | PARTITION, OUTDOOR | R01014087791 | √ | √ |
| 26 | SUPPORT, COIL PLATE | R01014087782 | √ | √ |
| 27 | COMPRESSOR, ASSY ZR72KC-TFD-522 COPELAND | R50049004675 | √ | √ |
| 28 | ASSY, ACCUMULATOR CLIP MSS60CR | R50014014462 | - | √ |
| 29 | ACCUMULATOR, PA5083-9-6C | R02114013198 | - | √ |
| 30 | HANDLING HANDLE SL/MSS | R12014015328 | √ | √ |
| 31 | BRACKET, MOTOR OD | R01014087792 | √ | √ |
| 32 | MOTOR, H220-240/50-2 HONGLU | R03039006814 | √ | √ |
| 33 | FAN PROPELLER, 24" OYL SL35/40/50C | R03013028160 | √ | √ |
| 34 | PLATE OD COIL | R01014087799 | √ | √ |
| 35 | PANEL, REAR | R01014087776 | √ | √ |
| 36 | FAN GUARD 24" | R01024051759 | √ | √ |
| 37 | ASSY, CONTROL BOX RT55A | R50044087693 | √ | - |
| | ASSY, CONTROL BOX RT55AR | R50044088131 | - | √ |
| | CONTROL MODULE, SB125-MR1 LC WE 000001R | R04089028551 | √ | - |
| | CONTROL MODULE, SB 125-MR1 AP WA600001R | R04089028550 | - | √ |
| | PHASE PROTECTOR, PP1.03 W/SENSOR EXPORT | R04089017029 | √ | √ |
| | CONT,PAK-6JT31-3S628 1NC AC230V 1.8-2.8A | R04039015659 | √ | √ |
| | CONT,PAK-20J31 1NC AC230V 50/60Hz | R04039015665 | √ | √ |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | √ | √ |
| | CAPACITOR, CMPSR 21uF/450VAC Shizuki | R04029026773 | √ | √ |
| 38 | PANEL, TOP | R01014087796 | √ | √ |
| 39 | PANEL, ID SERVICE | R01014087787 | √ | √ |
| 40 | PANEL, SIDE 2 | R01014087808 | √ | √ |
| 41 | PANEL, SIDE 1 | R01014087798 | √ | √ |
| **Parts Not in Diagram** | | | | |
| | FILTER DRIER, DML 084s DANFOSS | R02169018759 | √ | - |
| | FILTER DRIER, DMB 084s BIFLOW DANFOSS | R02169018760 | - | √ |
| | HANDSET, WIRED SB125 SLM 7M EC MCQUAY | R04089011455 | √ | - |
| | HANDSET, WIRED 1SPW-SLM03AX022 AP MCQUAY | R04089016767 | - | √ |
| | PRESS SWITCH, 470PSI N/C EXPORT NANTONG | R04109018820 | √ | - |
| | PRESS SWITCH, 426PSI N/C EXPORT NANTONG | R04109015136 | - | √ |
| | VALVE, TXV TDEX6 5/8X5/8 HP DANFOSS | R05019015254 | √ | - |
| | VALVE, REV 4 WAYS V4-R22/R407C | R05019000863 | - | √ |

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## Model : M(4)RT060A/AR

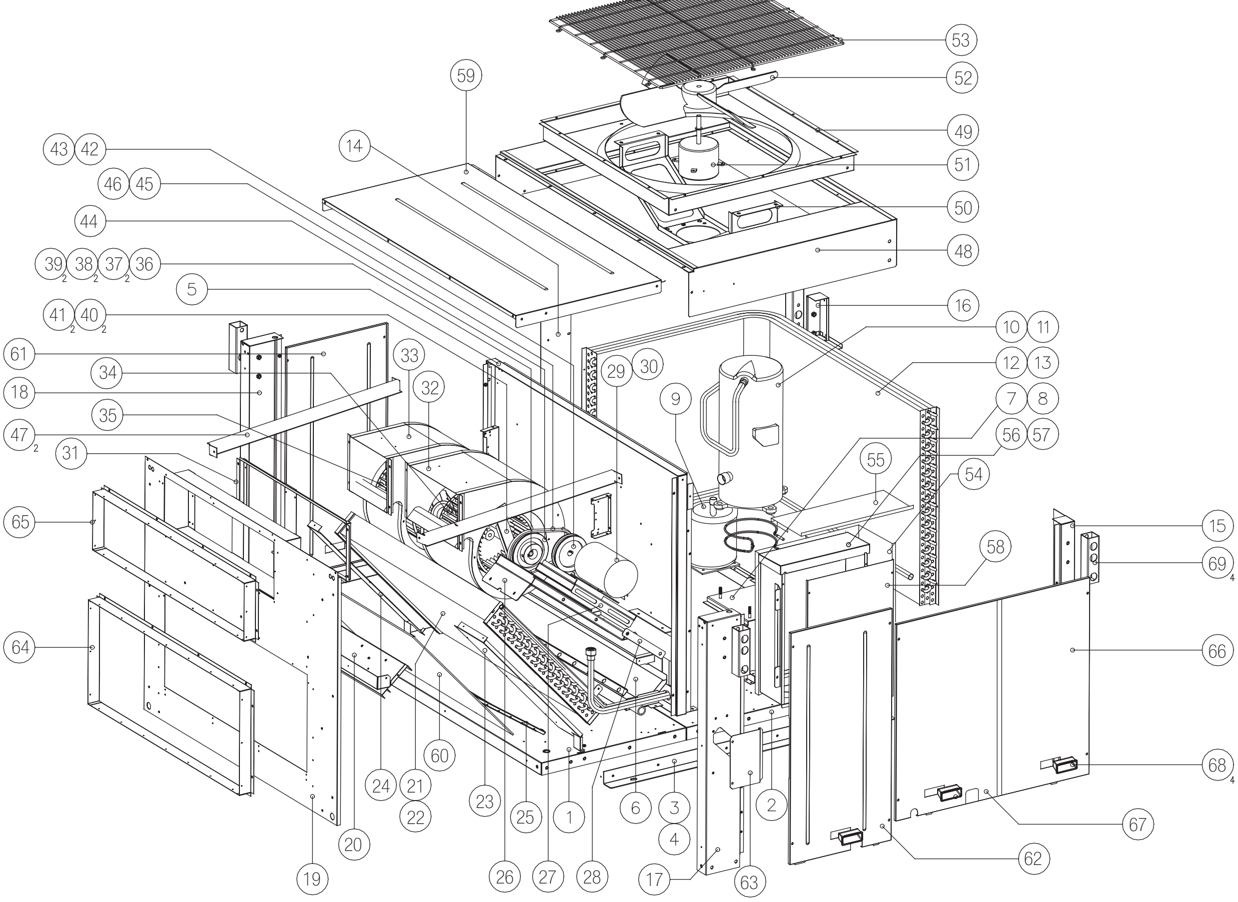



| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL<br>MRT060A | <br>MRT060AR | <br>M4RT060A | <br>M4RT060AR |
|---|---|---|---|---|---|---|
| 1 | ASSY, BASE PAN | R50014058472 | √ | √ | √ | √ |
| 2 | STRUCTURE BASE RIGHT | R01014058469 | √ | √ | √ | √ |
| 3 | STRUCTURE BASE LEFT | R01014058470 | √ | √ | √ | √ |
| 4 | ASSY, PARTITION | R50014058473 | √ | √ | √ | √ |
| 5 | LEG CASING (NO DOWN FLOW) | R01014058475 | √ | √ | √ | √ |
| 6 | ASSY, PILLAR INDOOR 2 | R50014051974 | √ | √ | √ | √ |
| 7 | ASSY, PILLAR INDOOR 1 | R01014051865 | √ | √ | √ | √ |
| 8 | SUPPORT, COIL BASE | R01014052335 | √ | √ | √ | √ |
| 9 | FRAME, OUTDOOR 1 | R01014057378 | √ | √ | √ | √ |
| 10 | FRAME, OUTDOOR 2 | R01014057379 | √ | √ | √ | √ |
| 11 | ASSY, COIL OUTDOOR | R50024056965 | - | - | √ | - |
| | ASSY, COIL OUTDOOR | R50024058553 | √ | √ | - | - |
| 12 | ASSY, COIL OUTDOOR | R50024063658 | - | - | - | √ |
| 13 | ASSY, DRAIN PAN | R50014057380 | √ | √ | √ | √ |
| 14 | ASSY, COIL INDOOR | R50024056779 | - | - | √ | - |
| | ASSY, COIL INDOOR | R50024060227 | √ | √ | - | √ |
| 15 | PLATE, BAFFLE RIGHT | R01014057423 | √ | √ | √ | √ |
| 16 | PLATE, BAFFLE LEFT | R01014057424 | √ | √ | √ | √ |
| 17 | ASSY, FRONT BEAM | R50014057416 | √ | √ | √ | √ |
| 18 | RAIL, FILTER BOTTOM | R01014057425 | √ | √ | √ | √ |
| 19 | ASSY, MOTOR BASE | R50014039485 | √ | √ | √ | √ |
| 20 | ASSY, FAN FRAME | R50014038320 | √ | √ | √ | √ |
| 21 | SUPPORT, MOTOR BASE | R01014038321 | √ | √ | √ | √ |
| 22 | MOTOR, 075kW 50Hz R P714566X01 HITACHI | R03039004556 | √ | √ | √ | √ |
| 23 | ASSY, FRONT PANEL | R50014057427 | √ | √ | √ | √ |
| 24 | ASSY, BLOWER HOUSING | R50014057566 | √ | √ | √ | √ |

| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL MRT060A | MRT060AR | M4RT060A | M4RT060AR |
|---|---|---|---|---|---|---|
| 25 | ASSY DRIVE PACKAGE | | | | | |
| | PULLEY, BLOWER B1*6*20mm | R03044041058 | √ | √ | √ | √ |
| | BELT, V B30 BANDO | R03059011279 | √ | √ | √ | √ |
| | PULLEY, NBK B1X4 BORE 19mm | R03044058930 | √ | √ | √ | √ |
| 26 | SUPPORT, PARTITION | R01014040052 | √ | √ | √ | √ |
| 27 | PARTITION, TUBING | R01014057496 | √ | √ | √ | √ |
| 28 | SUPPORT, ACCUMULATOR | R01014050845 | √ | √ | √ | √ |
| 29 | ACCUMULATOR, PA5083-11-7C | R02119002010 | √ | √ | √ | √ |
| 30 | COMPRESSOR, ASSY ZR72KC-TFD-522 COPELAND | R50049004675 | - | - | √ | - |
| | COMPRESSOR, ASSY ZR81KC-TFD-522 COPELAND | R50049016337 | √ | √ | √ | - |
| 31 | COMPRESSOR, ASSY ZR72KCE-TFD-522 COPELAND | R50049012601 | - | - | √ | - |
| | COMPRESSOR, ASSY ZR81KCE-TFD-522 COPELAND | R50049015682 | - | - | √ | √ |
| 32 | HEATER, CRANKCASE 70W 240V 018-0057-00 | R04149008597 | √ | √ | √ | √ |
| 33 | COVER, PARTITION TUBING | R01014057497 | √ | √ | √ | √ |
| 34 | ASSY, PILLAR OD LEFT | R50014057391 | √ | √ | √ | √ |
| 35 | ASSY, PILLAR OD RIGHT | R50014057388 | √ | √ | √ | √ |
| 36 | ASSY,TOP PANEL REAR | R50014057436 | √ | √ | √ | √ |
| 37 | ORIFICE (BELL MOUTH) | R01014056704 | √ | √ | √ | √ |
| 38 | ASSY, MOTOR BRACKET (OUTDOOR) | R50014057499 | √ | √ | √ | √ |
| 39 | MOTOR, H220-240/50-2 HONGLU | R03039006814 | √ | √ | √ | √ |
| 40 | FAN GUARD | R01024057475 | √ | √ | √ | √ |
| 41 | PANEL,TOP (INDOOR) | R01014057442 | √ | √ | √ | √ |
| 42 | AIR FILTER | R03084058393 | √ | √ | √ | √ |
| 43 | COVER, FILTER RIGHT | R01014044536 | √ | √ | √ | √ |
| 44 | PANEL, SIDE LEFT | R01014057435 | √ | √ | √ | √ |
| 45 | PANEL, SIDE RIGHT | R01014057434 | √ | √ | √ | √ |
| 46 | ASSY, DUCT INTAKE | R50014057430 | √ | √ | √ | √ |
| 47 | ASSY, DUCT DISCHARGE | R50014057432 | √ | √ | √ | √ |
| 48 | ASSY, CONTROL BOX (4)RT60A | R50044058388 | - | - | √ | - |
| | ASSY, CONTROL BOX (4)RT60AR | R50044059857 | - | - | √ | √ |
| | CONTROL MODULE, SB125-MRI LC WE 000001R | R04089028551 | - | - | √ | - |
| | CONTROL MODULE, SB125-MRI AP WA 600001R | R04089028550 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP103 | R04089017029 | √ | √ | √ | √ |
| | CONT, PAK-6JT-3,1NC,AC230V 50/60 18-28A | R04039015659 | √ | √ | √ | √ |
| | CONT, PAK-6J,1NO,AC240V (4)RT60AR | R04039013411 | √ | √ | √ | √ |
| | CONT, PAK-21JT-F,1NO,1NC,AC240V,15A | R04039014972 | √ | √ | √ | √ |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | √ | √ | √ | √ |
| | TER BLOCK, 50AMP T3018-1-5P-C10 | R04119001633 | √ | √ | √ | √ |
| | TER BLOCK , T3020-1-2P-C10 20A W872787G01 | R04114031972 | - | - | √ | - |
| | TER BLOCK T3020A-1-5P-C10 2 | R04114016098 | √ | √ | √ | √ |
| | CAPACITOR, CMPSR 21μF/450 VAC SHIZUKI | R04029026773 | √ | √ | √ | √ |
| 49 | PANEL, SERVICE | R01014057441 | √ | √ | √ | √ |
| 50 | HANDLING HANDLE SL/MSS | R12014015328 | √ | √ | √ | √ |
| **PARTS NOT SHOWED IN DIAGRAM** | | | | | | |
| | VALVE, TXV TDEX6 5/8X5/8 HP DANFOSS | R05019015254 | √ | √ | √ | √ |
| | VALVE, REV 4 WAYS V4-R22/R407 | R05019000863 | √ | √ | - | √ |
| | VALVE, SOLENOID P631807X02 NEV-202DXF@33 | R05019011100 | √ | √ | - | √ |
| | ASSY, HIGH PRESSURE SWITCH 426psi OFF | R50134062906 | √ | √ | - | - |
| | ASSY, HIGH PRESSURE SWITCH 470psi OFF | R50134062905 | - | - | √ | √ |
| | PRESSURE SWITCH, 426psi N/C EXPORT NANGTONG | R04109015136 | √ | √ | - | - |
| | PRESSURE SWITCH, 470psi N/C EXPORT NANGTONG | R04109018820 | - | - | √ | √ |
| | FAN SHAFT | R03074023316 | √ | √ | √ | √ |
| | HANDSET, WIRED 1SPW-SLM03EX022 LC MCQUAY | R04089016770 | - | - | √ | - |
| | HANDSET, WIRED 1SPW-SLM03AX022AP MCQUAY | R04089016767 | √ | √ | - | √ |
| | FAN PROPRLLER, 24" OYL SL35/40/50C | R03013028160 | √ | √ | √ | √ |
| | FAN SIROCCO, D286X274,Plastic,W125148G05 | R03029012742 | √ | √ | √ | √ |
| | FILTER DRIER, EK 165S 5/8" ALCO | R02164028078 | - | - | √ | - |
| | FILTER DRIER, BFK 165S ALCO | R02164034987 | √ | √ | - | √ |

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# MODEL : M(4)RT080/100A



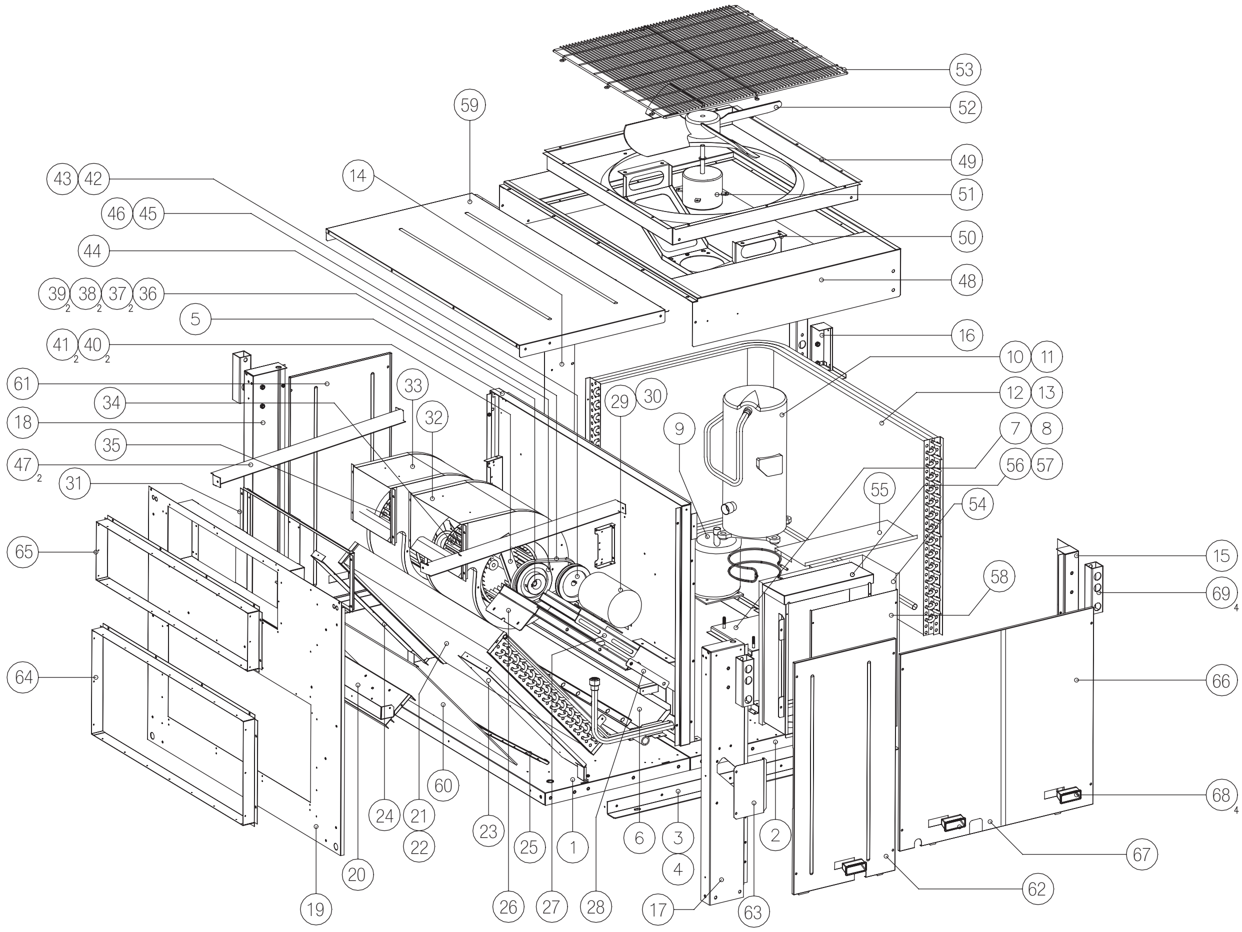
| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| ITEM | DESCRIPTION | PART NUMBER | MRT080A | M4RT080A | MRT100A | M4RT100A |
| 1 | ASSY., BASE INDOOR | R50014061264 | √ | - | √ | - |
| | ASSY., BASE INDOOR | R50014039132 | - | √ | - | √ |
| 2 | ASSY., BASE OUTDOOR | R50014061162 | √ | - | √ | - |
| | ASSY., BASE OUTDOOR | R50014039133 | - | √ | - | √ |
| | ASSY., BASE OUTDOOR | R50014061176 | - | - | - | - |
| | ASSY., BASE OUTDOOR | R50014044658 | - | - | - | - |
| 3 | STRUCTURE BASE RIGHT | R01014039163 | √ | √ | √ | √ |
| 4 | STRUCTURE BASE LEFT | R01014039164 | √ | √ | √ | √ |
| 5 | ASSY., PARTITION | R50014061266 | √ | - | √ | - |
| | ASSY., PARTITION | R50014038275 | - | √ | - | √ |
| 6 | ASSY., DRAIN PAN | R50014044477 | √ | √ | √ | √ |
| | ASSY., DRAIN PAN | R50014044653 | - | - | - | - |
| 7 | ASSY., COMPRESSOR BASE | R50014038332 | √ | √ | √ | √ |
| 8 | ASSY., COMPRESSOR SUPPORT | R50014031823 | - | - | - | - |
| 9 | ACCUMULATOR, P734972X02 TC399637-1 MIT | R02119001869 | - | - | - | - |
| 10 | COMPRESSOR, ASSY. ZR94KC-TFD-522 COPELAND | R50049004676 | √ | - | - | - |
| | COMPRESSOR, ASSY. ZR94KCE-TFD-522 COPELAND | R50049014526 | - | √ | - | - |
| 11 | COMPRESSOR, JH527YEB | R04019002826 | - | - | - | - |
| | COMPRESSOR, ASSY. ZR125KC-TFD-522 COPELAND | R50049004677 | - | - | √ | - |
| | COMPRESSOR, ASSY. ZR125KCE-TFD-522 COPELAND | R50049014427 | - | - | - | √ |
| 12 | ASSY., COIL OUTDOOR | R50024038759 | √ | - | - | - |
| | ASSY., COIL OUTDOOR | R50024042747 | - | - | - | - |
| | ASSY., COIL OUTDOOR | R50024048734 | - | √ | - | - |
| | ASSY., COIL OUTDOOR | R50024049932 | - | - | - | - |
| 13 | ASSY., COIL OUTDOOR | R50024038760 | - | - | √ | - |
| | ASSY., COIL OUTDOOR | R50024042748 | - | - | - | - |
| | ASSY., COIL OUTDOOR | R50024048733 | - | - | - | √ |
| | ASSY., COIL OUTDOOR | R50024049937 | - | - | - | - |
| 14 | COVER, COIL LEFT | R01014038295 | √ | √ | √ | √ |
| | PLATE, BAFFIE | R01014044647 | - | - | - | - |

| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| | | | MRT080A | M4RT080A | MRT100A | M4RT100A |
| 15 | ASSY., PILLAR OUTDOOR 1 | R50014038336 | √ | - | √ | - |
| | ASSY., PILLAR OUTDOOR 1 | R50014049097 | - | √ | - | √ |
| 16 | ASSY., PILLAR OUTDOOR 2 | R50014039134 | √ | √ | √ | √ |
| 17 | ASSY., PILLAR INDOOR 1 | R50014051973 | √ | √ | √ | √ |
| 18 | ASSY., PILLAR INDOOR 2 | R50014051974 | √ | √ | √ | √ |
| 19 | ASSY., PANEL FRONT | R50014039622 | √ | √ | √ | √ |
| 20 | ASSY., BEAM FRONT | R50014039677 | √ | √ | √ | √ |
| 21 | ASSY., COIL INDOOR | R50024039005 | √ | √ | - | - |
| | ASSY., COIL INDOOR | R50024042742 | - | - | - | - |
| 22 | ASSY., COIL INDOOR | R50024038928 | - | - | √ | √ |
| 23 | PLATE, BAFFIE RIGHT | R01014038309 | √ | - | √ | - |
| | PLATE, BAFFIE | R01014049096 | - | √ | - | √ |
| 24 | PLATE, BAFFIE LEFT | R01014038310 | √ | √ | √ | √ |
| 25 | FILTER RAIL, BOTTOM | R01014040587 | √ | √ | √ | √ |
| 26 | ASSY., FAN FRAME | R50014038320 | √ | √ | √ | √ |
| 27 | ASSY., MOTOR BASE | R50014039485 | √ | √ | √ | √ |
| 28 | SUPPORT BASE | R01014038321 | √ | √ | √ | √ |
| 29 | MOTOR, 1.1kW 50Hz R P714595X02 HITACHI | R03039004557 | √ | √ | - | - |
| 30 | MOTOR, 1.5kW 50Hz R P714567X02 HITACHI | R03039004558 | - | - | √ | √ |
| 31 | FAN BASE | R01014038311 | √ | √ | √ | √ |
| 32 | ASSY., BLOWER HOUSING A | R50014039760 | √ | √ | √ | √ |
| 33 | ASSY., BLOWER HOUSING B | R50014039761 | √ | √ | √ | √ |
| 34 | FAN SIROCCO, D286 x L274 | R03029006064 | √ | √ | √ | √ |
| 35 | FAN SIROCCO, D286 x L184 | R03029003832 | √ | √ | √ | √ |
| 36 | SHAFT, FAN | R03074023321 | √ | √ | √ | √ |
| 37 | SHEET, RUBBER 38 x 165mm | R11024027389 | √ | √ | √ | √ |
| 38 | BEARING, ID20 x OD47 x t27 | R03069005490 | √ | √ | √ | √ |
| 39 | RUBBER, MOUNT B26 D121 | R11059005496 | √ | √ | √ | √ |
| 40 | BEAM,ASSY. | R50019005494 | √ | √ | √ | √ |
| 41 | CASE | R01029005493 | √ | √ | √ | √ |
| 42 | PULLEY, B1 x 4 x 24mm NBK | R03044027312 | √ | √ | - | - |
| 43 | PULLEY, B1 x 4.5 x 24mm NBK | R03044025594 | - | - | √ | √ |
| 44 | PULLEY, BLOWER B1 x 6 x 20mm | R03044041058 | √ | √ | √ | √ |
| | PULLEY, BLOWER B1*5.5 20mm KEY 7X7 | R03044039492 | - | - | - | - |
| 45 | BELT, V B30 BANDO | R03059011279 | √ | √ | - | - |
| | BELT, V B29" | R03059007844 | - | - | - | - |
| 46 | BELT, V B31 BANDO | R03059009631 | - | - | √ | √ |
| 47 | SUPPORT, PARTITION | R01014040052 | √ | √ | √ | √ |
| 48 | ASSY., PANEL REAR TOP | R50014039475 | √ | √ | √ | √ |
| | ASSY., REAR TOP PANEL | R50014057963 | - | - | - | - |
| 49 | ASSY., ORIFICE (BELL MOUNT) | R01014040602 | √ | √ | √ | √ |
| | ASSY., ORIFICE (BELL MOUNT) | R50014050803 | √ | √ | √ | √ |
| | ASSY., ORIFICE 30" | R50014057966 | - | - | - | - |
| 50 | ASSY., MOTOR BRACKET | R50014040930 | √ | √ | √ | √ |
| | FAN MOTOR BRACKET 30" | R50014023059 | - | - | - | - |
| 51 | MOTOR, 0.55kW P714879X01 HITACHI | R03039020142 | √ | √ | √ | √ |
| | MOTOR, HAT081 HEADLINE | R03034027520 | - | - | - | - |
| 52 | FAN PROPELLER, 26" SFZ660 SINGCHANG | R03019021349 | √ | √ | √ | √ |
| 53 | FAN GUARD, SQUARE PRG8~20 W636557G02 | R01024043642 | √ | √ | √ | √ |
| 54 | ASSY., OD PARTITION | R50014057972 | - | - | - | - |
| 55 | COVER, OD PARTITION | R01014057328 | - | - | - | - |
| 56 | ASSY. CONTROL BOX (4)RT080A/AR | | | | | |
| | TER. BLOCK, T3011-5P-C1.4 60A W865569G05 | R04119001486 | √ | √ | √ | √ |
| | TER. BLOCK, T3020-1-2P-C1.2 20A W872787G01 | R04114031972 | - | - | - | - |
| | CONT., PAK-26JT-F,AC240V,22.A,S427021H70 | R04039014910 | - | - | - | - |
| | CONT., PAK-26JT-F,2NO,2NC,AC240V,27.5A | R04039014252 | √ | √ | - | - |
| | CONT., PAK-6JT,1NO,AC240V,2.8A, TOGAMI | R04039014969 | √ | √ | - | - |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 W/SENSOR EXPORT | R04089017029 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 W/O SENSOR | R04089018834 | - | - | - | - |
| | CONTROL MODULE, SB125-MRI LC WE 000001R | R04089028551 | √ | √ | √ | √ |
| | CONTROL MODULE, SB125-MRI AP WA 600001R | R04089028550 | - | - | - | - |

| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| | | | MRT080A | M4RT080A | MRT100A | M4RT100A |
| 57 | ASSY. CONTROL BOX (4)RT100A/AR | | | | | |
| | TER. BLOCK, T3011-5P-C1.4 60A W865569G05 | R04119001486 | √ | √ | √ | √ |
| | CONT., PAK-26JT-F,2N0,2NC,AC240V,31.A | R04039013412 | - | - | √ | √ |
| | CONT., PAK-6JT,1NO,AC240V,3.6A, Togami | R04039014904 | - | - | √ | √ |
| | RELAY, LY2F AC220/240V Omron P421132X01 | R04059000668 | √ | √ | √ | √ |
| | CONTROL MODULE, SB125 MR1 WE 000001R | R04089028551 | √ | √ | √ | √ |
| | CONTROL MODULE, SB125 MR1 AP 600001R | R04089028550 | - | - | - | - |
| | PHASE PROTECTOR, PP1.03 | R04089017029 | √ | √ | √ | √ |
| 58 | ASSY., TERMINAL COVER | R50014041027 | - | √ | - | √ |
| | ASSY., TERMINAL COVER | R50014044643 | - | - | - | - |
| 59 | TOP PLATE (INDOOR) | R01014052259 | √ | √ | √ | √ |
| 60 | AIR FILTER, 1020mm x 615mm | R03084040701 | √ | √ | √ | √ |
| 61 | PANEL, SIDE LEFT | R01014038343 | √ | √ | √ | √ |
| | PANEL, SIDE LEFT | R01014044657 | - | - | - | - |
| 62 | PANEL, SIDE RIGHT | R01014044481 | √ | √ | √ | √ |
| 63 | COVER, FILTER RIGHT | R01014044536 | √ | √ | √ | √ |
| 64 | ASSY., INTAKE DUCT | R50014041845 | √ | √ | √ | √ |
| 65 | ASSY., DISCHARGE DUCT | R50014038302 | √ | √ | √ | √ |
| 66 | PANEL, SERVICE 1 | R01014057199 | - | - | - | - |
| 67 | PANEL, SERVICE 2 | R01014057200 | - | - | - | - |
| | PANLE, SERVICE | R01014054645 | √ | √ | √ | √ |
| 68 | HANDLING HANDLE SL/MSS | R12014015328 | √ | √ | √ | √ |
| 69 | BRACKET, FITTING W881464G03 | R01014043609 | √ | √ | √ | √ |
| **PARTS NOT SHOWED IN DIAGRAM** | | | | | | |
| | HANDSET, WIRED 1SPW-SLM03EX022 LC MCQUAY | R04089016770 | √ | √ | √ | √ |
| | HANDSET, WIRED 1SPW-SLM03AX022 AP MCQUAY | R04089016767 | - | - | - | - |

** ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR MOTICE*

## MODEL : M(4)RT080/100AR



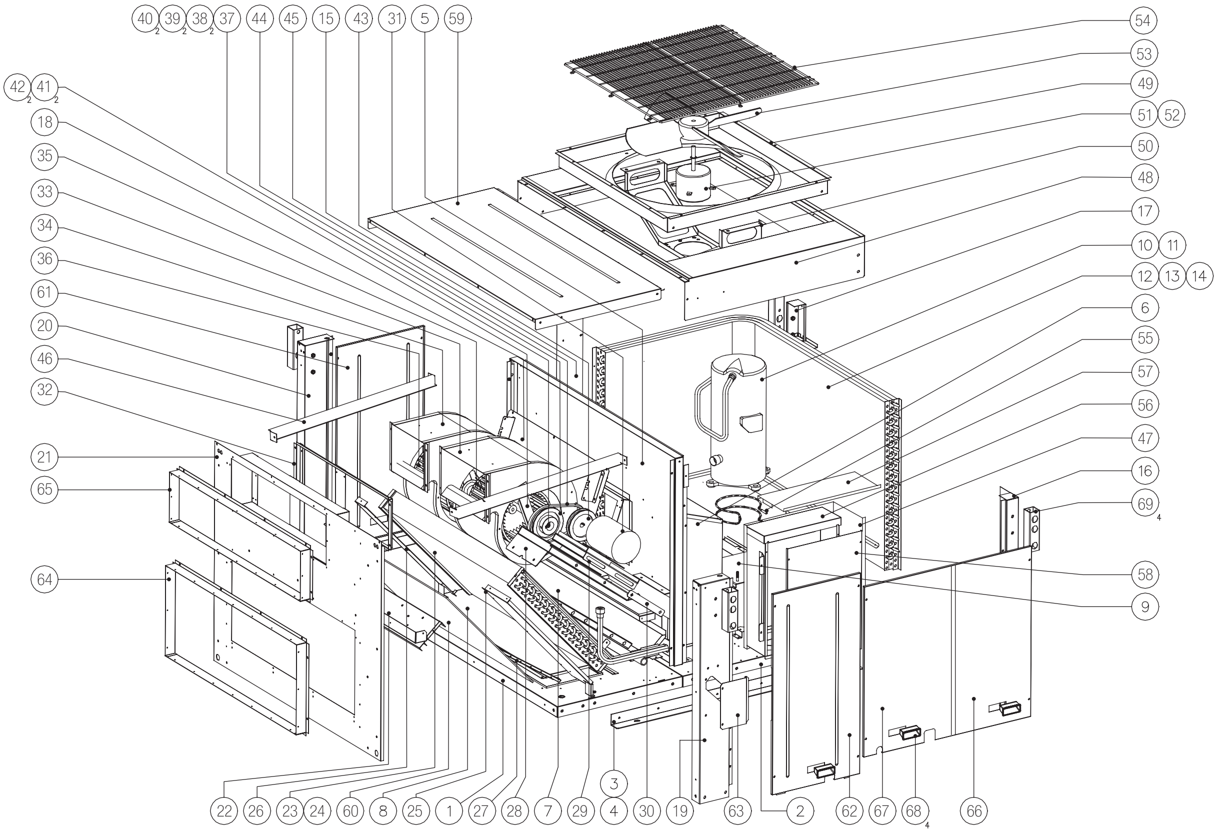

| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| ITEM | DESCRIPTION | PART NUMBER | MRT080AR | M4RT080AR | MRT100AR | M4RT100AR |
| 1 | ASSY., BASE INDOOR | R50014061264 | √ | - | √ | - |
| | ASSY., BASE INDOOR | R50014039132 | - | √ | - | √ |
| 2 | ASSY., BASE OUTDOOR | R50014061162 | - | - | - | - |
| | ASSY., BASE OUTDOOR | R50014039133 | - | - | - | - |
| | ASSY., BASE OUTDOOR | R50014061176 | √ | - | √ | - |
| | ASSY., BASE OUTDOOR | R50014044658 | - | √ | - | √ |
| 3 | STRUCTURE BASE RIGHT | R01014039163 | √ | √ | √ | √ |
| 4 | STRUCTURE BASE LEFT | R01014039164 | √ | √ | √ | √ |
| 5 | ASSY., PARTITION | R50014061266 | √ | - | √ | - |
| | ASSY., PARTITION | R50014038275 | - | √ | - | √ |
| 6 | ASSY., DRAIN PAN | R50014044477 | - | - | - | - |
| | ASSY., DRAIN PAN | R50014044653 | √ | √ | √ | √ |
| 7 | ASSY., COMPRESSOR BASE | R50014038332 | - | √ | - | √ |
| 8 | ASSY., COMPRESSOR SUPPORT | R50014031823 | - | - | √ | - |
| | ASSY., COMPRESSOR SUPPORT | R50014030812 | √ | - | - | - |
| 9 | ACCUMULATOR, P734972X02 TC399637-1 MIT | R02119001869 | √ | √ | √ | √ |
| 10 | COMPRESSOR, JH521YEB Mitsubishi | R04019003024 | √ | - | - | - |
| | COMPRESSOR, ASSY. ZR94KC-TFD-522 COPELAND | R50049004676 | - | - | - | - |
| | COMPRESSOR, ASSY. ZR94KCE-TFD-522 COPELAND | R50049014526 | - | √ | - | - |
| 11 | COMPRESSOR, JH527YEB | R04019002826 | - | - | √ | - |
| | COMPRESSOR, ASSY. ZR125KC-TFD-522 COPELAND | R50049004677 | - | - | - | - |
| | COMPRESSOR, ASSY. ZR125KCE-TFD-522 COPELAND | R50049014427 | - | - | - | √ |
| 12 | ASSY., COIL OUTDOOR | R50024038759 | - | - | - | - |
| | ASSY., COIL OUTDOOR | R50024042747 | √ | - | - | - |
| | ASSY., COIL OUTDOOR | R50024048734 | - | - | - | - |
| | ASSY., COIL OUTDOOR | R50024049932 | - | √ | - | - |
| 13 | ASSY., COIL OUTDOOR | R50024038760 | - | - | - | - |
| | ASSY., COIL OUTDOOR | R50024042748 | - | - | √ | - |
| | ASSY., COIL OUTDOOR | R50024048733 | - | - | - | - |
| | ASSY., COIL OUTDOOR | R50024049937 | - | - | - | √ |

| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| | | | MRT080AR | M4RT080AR | MRT100AR | M4RT100AR |
| 14 | COVER, COIL LEFT | R01014038295 | - | - | - | - |
| | PLATE, BAFFIE | R01014044647 | √ | √ | √ | √ |
| 15 | ASSY., PILLAR OUTDOOR 1 | R50014038336 | - | - | - | - |
| | ASSY., PILLAR OUTDOOR 1 | R50014049097 | - | - | - | - |
| 16 | ASSY., PILLAR OUTDOOR 2 | R50014039134 | √ | √ | √ | √ |
| 17 | ASSY., PILLAR INDOOR 1 | R50014051973 | √ | √ | √ | √ |
| 18 | ASSY., PILLAR INDOOR 2 | R50014051974 | √ | √ | √ | √ |
| 19 | ASSY., PANEL FRONT | R50014039622 | √ | √ | √ | √ |
| 20 | ASSY., BEAM FRONT | R50014039677 | √ | √ | √ | √ |
| 21 | ASSY., COIL INDOOR | R50024039005 | - | - | - | - |
| | ASSY., COIL INDOOR | R50024042742 | √ | √ | - | - |
| 22 | ASSY., COIL INDOOR | R50024038928 | - | - | - | - |
| 23 | PLATE, BAFFIE RIGHT | R01014038309 | - | - | - | - |
| | PLATE, BAFFIE | R01014049096 | - | - | - | - |
| 24 | PLATE, BAFFIE LEFT | R01014038310 | - | - | - | - |
| 25 | FILTER RAIL, BOTTOM | R01014040587 | √ | √ | √ | √ |
| 26 | ASSY., FAN FRAME | R50014038320 | √ | √ | √ | √ |
| 27 | ASSY., MOTOR BASE | R50014039485 | √ | √ | √ | √ |
| 28 | SUPPORT BASE | R01014038321 | √ | √ | √ | √ |
| 29 | MOTOR, 1.1kW 50Hz R P714595X02 HITACHI | R03039004557 | √ | √ | - | - |
| 30 | MOTOR, 1.5kW 50Hz R P714567X02 HITACHI | R03039004558 | - | - | √ | √ |
| 31 | FAN BASE | R01014038311 | √ | √ | √ | √ |
| 32 | ASSY., BLOWER HOUSING A | R50014039760 | √ | √ | √ | √ |
| 33 | ASSY., BLOWER HOUSING B | R50014039761 | √ | √ | √ | √ |
| 34 | FAN SIROCCO, D286 x L274 | R03029006064 | √ | √ | √ | √ |
| 35 | FAN SIROCCO, D286 x L184 | R03029003832 | √ | √ | √ | √ |
| 36 | SHAFT, FAN | R03074023321 | √ | √ | √ | √ |
| 37 | SHEET, RUBBER 38 x 165mm | R11024027389 | √ | √ | √ | √ |
| 38 | BEARING, ID20 x OD47 x t27 | R03069005490 | √ | √ | √ | √ |
| 39 | RUBBER, MOUNT B26 D121 | R11059005496 | √ | √ | √ | √ |
| 40 | BEAM,ASSY. | R50019005494 | √ | √ | √ | √ |
| 41 | CASE | R01029005493 | √ | √ | √ | √ |
| 42 | PULLEY, B1 x 4 x 24mm NBK | R03044027312 | √ | √ | - | - |
| 43 | PULLEY, B1 x 4.5 x 24mm NBK | R03044025594 | - | - | √ | √ |
| 44 | PULLEY, BLOWER B1 x 6 x 20mm | R03044041058 | √ | - | √ | - |
| | PULLEY, BLOWER B1*5.5 20mm KEY 7X7 | R03044039492 | - | √ | - | √ |
| 45 | BELT, V B30 BANDO | R03059011279 | √ | - | - | √ |
| | BELT, V B29" | R03059007844 | - | √ | - | - |
| 46 | BELT, V B31 BANDO | R03059009631 | - | - | √ | - |
| 47 | SUPPORT, PARTITION | R01014040052 | √ | √ | √ | √ |
| 48 | ASSY., PANEL REAR TOP | R50014039475 | √ | √ | √ | - |
| | ASSY., REAR TOP PANEL | R50014057963 | - | - | - | √ |
| 49 | ASSY., ORIFICE (BELL MOUNT) | R01014040602 | √ | √ | √ | - |
| | ASSY., ORIFICE (BELL MOUNT) | R50014050803 | √ | √ | √ | - |
| | ASSY., ORIFICE 30" | R50014057966 | - | - | - | √ |
| 50 | ASSY., MOTOR BRACKET | R50014040930 | √ | √ | √ | - |
| | FAN MOTOR BRACKET 30" | R50014023059 | - | - | - | - |
| 51 | MOTOR, 0.55kW P714879X01 HITACHI | R03039020142 | √ | √ | √ | - |
| | MOTOR, HAT081 HEADLINE | R03034027520 | - | - | - | √ |
| 52 | FAN PROPELLER, 26" SFZ660 SINGCHANG | R03019021349 | √ | √ | √ | - |
| 53 | FAN GUARD, SQUARE PRG8~20 W636557G02 | R01024043642 | √ | √ | √ | √ |
| 54 | ASSY., OD PARTITION | R50014057972 | √ | - | √ | - |
| 55 | COVER, OD PARTITION | R01014057328 | √ | - | √ | - |
| 56 | ASSY. CONTROL BOX (4)RT080A/AR | | | | | |
| | TER. BLOCK, T3011-5P-C1.4 60A W865569G05 | R04119001486 | √ | √ | √ | √ |
| | TER. BLOCK, T3020-1-2P-C1.2 20A W872787G01 | R04114031972 | √ | √ | √ | √ |
| | CONT., PAK-26JT-F,AC240V,22.A,S427021H70 | R04039014910 | √ | - | - | - |
| | CONT., PAK-26JT-F,2NO,2NC,AC240V,27.5A | R04039014252 | - | √ | - | - |
| | CONT., PAK-6JT,1NO,AC240V,2.8A, TOGAMI | R04039014969 | √ | √ | - | - |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 W/SENSOR EXPORT | R04089017029 | - | √ | - | √ |
| | PHASE PROTECTOR, PP1.03 W/O SENSOR | R04089018834 | - | - | - | - |
| | TRANSFORMER, 240V/24V,TAMURA, P715337X01 | R04189012074 | - | - | - | - |
| | CONTROL MODULE, SB125-MRI LC WE 000001R | R04089028551 | - | - | - | - |
| | CONTROL MODULE, SB125-MRI AP WA 600001R | R04089028550 | √ | √ | √ | √ |

| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| | | | MRT080AR | M4RT080AR | MRT100AR | M4RT100AR |
| 57 | ASSY. CONTROL BOX (4)RT100A/AR | | | | | |
| | TER. BLOCK, T3011-5P-C1.4 60A W865569G05 | R04119001486 | √ | √ | √ | √ |
| | CONT., PAK-26JT-F,2N0,2NC,AC240V,31.A | R04039013412 | - | - | √ | √ |
| | CONT., PAK-6JT,1NO,AC240V,3.6A, Togami | R04039014904 | - | - | √ | √ |
| | RELAY, LY2F AC220/240V Omron P421132X01 | R04059000668 | √ | √ | √ | √ |
| | CONTROL MODULE, SB125 MR1 WE 000001R | R04089028551 | - | - | - | - |
| | CONTROL MODULE, SB125 MR1 AP 600001R | R04089028550 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 | R04089017029 | - | √ | - | √ |
| 58 | ASSY., TERMINAL COVER | R50014041027 | - | - | - | - |
| | ASSY., TERMINAL COVER | R50014044643 | - | √ | - | √ |
| 59 | TOP PLATE (INDOOR) | R01014052259 | √ | √ | √ | √ |
| 60 | AIR FILTER, 1020mm x 615mm | R03084040701 | √ | √ | √ | √ |
| 61 | PANEL, SIDE LEFT | R01014038343 | - | - | - | - |
| | PANEL, SIDE LEFT | R01014044657 | √ | √ | √ | √ |
| 62 | PANEL, SIDE RIGHT | R01014044481 | √ | √ | √ | √ |
| 63 | COVER, FILTER RIGHT | R01014044536 | √ | √ | √ | √ |
| 64 | ASSY., INTAKE DUCT | R50014041845 | √ | √ | √ | √ |
| 65 | ASSY., DISCHARGE DUCT | R50014038302 | √ | √ | √ | √ |
| 66 | PANEL, SERVICE 1 | R01014057199 | √ | - | √ | - |
| 67 | PANEL, SERVICE 2 | R01014057200 | √ | - | √ | - |
| | PANLE, SERVICE | R01014054645 | - | √ | - | √ |
| 68 | HANDLING HANDLE SL/MSS | R12014015328 | √ | √ | √ | √ |
| 69 | BRACKET, FITTING W881464G03 | R01014043609 | √ | √ | √ | √ |

** ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR MOTICE*

# MODEL : M(4)RT120A/AR

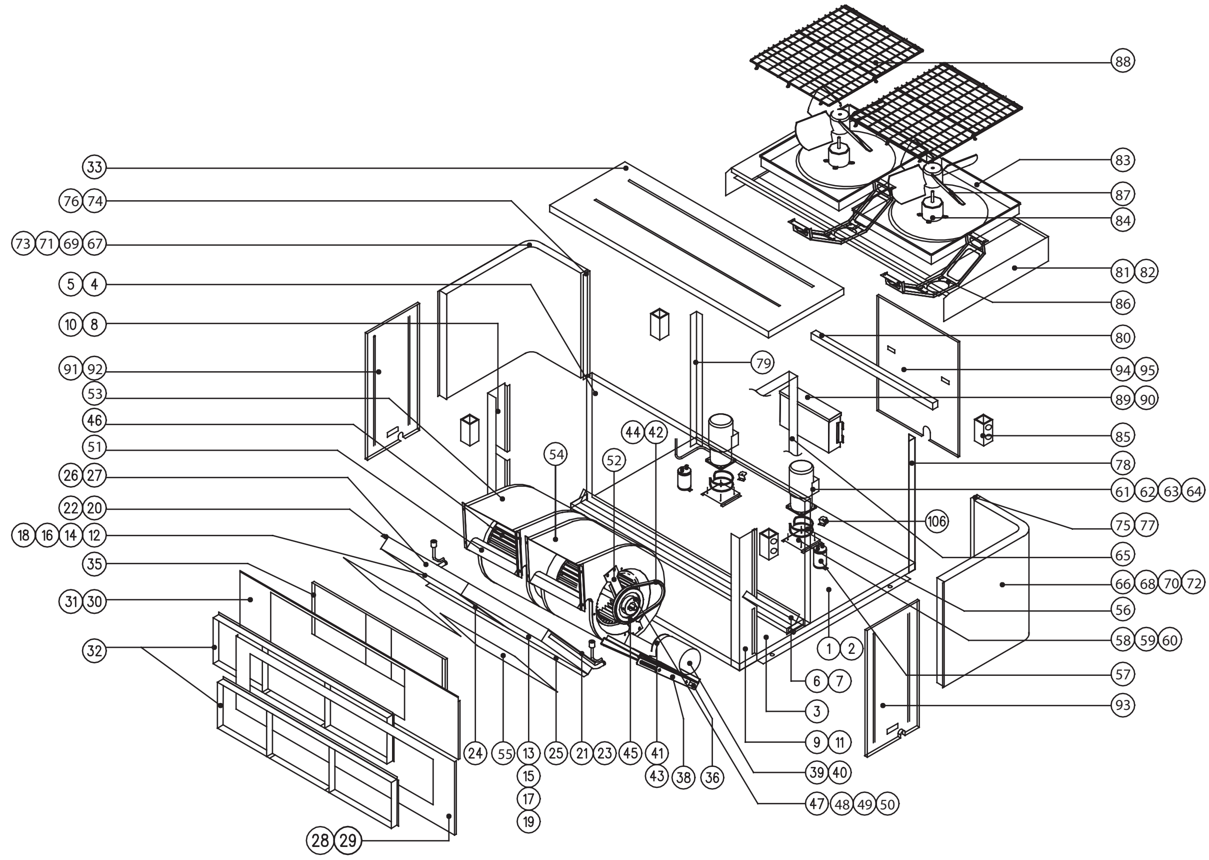


| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| ITEM | DESCRIPTION | PART NUMBER | MRT120A | M4RT120A | MRT120AR | M4RT120AR |
| 1 | ASSY., BASE INDOOR | R50014039132 | √ | √ | √ | √ |
| 2 | ASSY., BASE OUTDOOR | R50014044658 | √ | √ | √ | √ |
| 3 | STRUCTURE BASE RIGHT | R01014039163 | √ | √ | √ | √ |
| 4 | STRUCTURE BASE LEFT | R01014039164 | √ | √ | √ | √ |
| 5 | ASSY., PARTITION | R50014038275 | √ | √ | √ | √ |
| 6 | ASSY., SUPPLY AIR | R50014039480 | √ | √ | √ | √ |
| 7 | ASSY., DRAIN PAN | R50014044653 | √ | √ | √ | √ |
| 8 | COVER, LOW IN HALE | R01014039167 | √ | √ | √ | √ |
| 9 | ASSY., COMPRESSOR BASE | R50014038332 | √ | √ | √ | √ |
| 10 | COMPRESSOR, ASSY. ZR144KC-TFD-522 COPELAND | R50049007081 | √ | - | √ | - |
| 11 | COMPRESSOR, ASSY. ZR144KCE-TFD-522 COPELAND | R50049014428 | - | √ | - | √ |
| 12 | ASSY., COIL OUTDOOR | R50029020349 | - | - | - | - |
| 13 | ASSY., COIL OUTDOOR | R50024062903 | - | - | - | √ |
| 14 | ASSY., COIL OUTDOOR | R50024056319 | √ | √ | - | - |
| 15 | PLATE, BAFFLE | R01014044647 | √ | √ | √ | √ |
| 16 | ASSY., PILLAR OUTDOOR 1 | R50014044648 | √ | √ | √ | √ |
| 17 | ASSY., PILLAR OUTDOOR 2 | R50014039134 | √ | √ | √ | √ |
| 18 | ASSY., COVER BLOWER | R50014039476 | √ | √ | √ | √ |
| 19 | ASSY., PILLAR INDOOR 1 | R50014051973 | √ | √ | √ | √ |
| 20 | ASSY., PILLAR INDOOR 2 | R50014051974 | √ | √ | √ | √ |
| 21 | ASSY., PANEL FRONT | R50014039622 | √ | √ | √ | √ |
| 22 | ASSY., BEAM FRONT | R50014039677 | √ | √ | √ | √ |
| 23 | ASSY., COIL INDOOR | R50024056422 | √ | √ | - | - |
| 24 | ASSY., COIL INDOOR | R50024060121 | - | - | √ | √ |
| 25 | PLATE, BAFFLE RIGHT | R01014044645 | √ | √ | √ | √ |
| 26 | PLATE, BAFFLE LEFT | R01014044646 | √ | √ | √ | √ |
| 27 | FILTER RAIL, BOTTOM | R01014040587 | √ | √ | √ | √ |
| 28 | ASSY., FAN FRAME | R50014038320 | √ | √ | √ | √ |
| 29 | ASSY., MOTOR BASE | R50014039485 | √ | √ | √ | √ |
| 30 | SUPPORT BASE | R01014038321 | √ | √ | √ | √ |

| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| **ITEM** | **DESCRIPTION** | **PART NUMBER** | **MRT120A** | **M4RT120A** | **MRT120AR** | **M4RT120AR** |
| 31 | MOTOR, 1.5kW 50Hz R P714567X02 HITACHI | R03039004558 | √ | √ | √ | √ |
| 32 | FAN BASE | R01014038311 | √ | √ | √ | √ |
| 33 | ASSY., BLOWER HOUSING A | R50014039760 | √ | √ | √ | √ |
| 34 | ASSY., BLOWER HOUSING B | R50014039761 | √ | √ | √ | √ |
| 35 | FAN SIROCCO, D286 x L274 | R03029006064 | √ | √ | √ | √ |
| 36 | FAN SIROCCO, D286 x L184 | R03029003832 | √ | √ | √ | √ |
| 37 | SHAFT, FAN | R03074023321 | √ | √ | √ | √ |
| 38 | SHEET, RUBBER 38 x 165 mm | R11024027389 | √ | √ | √ | √ |
| 39 | BEARING, ID20 x OD47 x t27 | R03069005490 | √ | √ | √ | √ |
| 40 | RUBBER, MOUNT B26 D121 | R11059005496 | √ | √ | √ | √ |
| 41 | BEAM, ASSY. | R50019005494 | √ | √ | √ | √ |
| 42 | CASE | R01029005493 | √ | √ | √ | √ |
| 43 | PULLEY, B1 x 4.5 x 24mm NBK | R03044025594 | √ | √ | √ | √ |
| 44 | PULLEY, BLOWER B1*5.5 20mm/7mm | R03044039492 | √ | √ | √ | √ |
| 45 | BELT, V B30 BANDO | R03059011279 | √ | √ | √ | √ |
| 46 | SUPPORT, PARTITION | R01014040052 | √ | √ | √ | √ |
| 47 | ASSY., OD PARTITION | R50014057972 | √ | √ | √ | √ |
| 48 | ASSY., PANEL REAR TOP | R50014057963 | √ | √ | √ | √ |
| 49 | ASSY., ORIFICE 30" | R50014057966 | √ | √ | √ | √ |
| 50 | FAN MOTOR BRACKET 30"A01024023059 | R50014023059 | - | - | - | - |
| 51 | MOTOR, HAT081 HEADLINE | R03034027520 | √ | √ | - | - |
| 52 | MOTOR, HAT051 HEADLINE | R03034024250 | - | - | √ | √ |
| 53 | FAN PROPELLER, 30" TFL750 SINGCHANG | R03019021350 | √ | √ | √ | √ |
| 54 | FAN GUARD, SQUARE PRG8~20 W636557G02 | R01024043642 | √ | √ | √ | √ |
| 55 | HEATER, CRANKCASE 90W 240V 018-0047-01 | R04149014268 | √ | √ | √ | √ |
| 56 | ASSY. CONTROL BOX | | | | | |
| | TER. BLOCK, T3011-5P-C1.4 60A W865569G05 | R04119001486 | √ | √ | √ | √ |
| | TER. BLOCK, T3020-1-2P-C1.2 20A W872787G01 | R04114031972 | - | - | √ | √ |
| | CONTROL MODULE, SB125-MRI LC WE 000001R | R04089028551 | √ | √ | - | - |
| | CONTROL MODULE, SB125-MRI AP WA 600001R | R04089028550 | - | - | √ | √ |
| | CONT., PAK-26JT-F,2N0,2NC,AC240V,31.A | R04039013412 | √ | √ | √ | √ |
| | CONT., PAK-6JT,1NO,AC240V,3.6A, TOGAMI | R04039014904 | √ | √ | √ | √ |
| | CONT., PAK-6J,1NO,AC240V, TOGAM | R04039013411 | - | - | √ | √ |
| | RELAY, JQX-13F/A240-2Z5 D/P HONGMEI | R04059015130 | - | - | - | - |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 | R04089017029 | √ | √ | √ | √ |
| 57 | COVER, OD PARTITION | R01014057328 | √ | √ | √ | √ |
| 58 | COVER, BOX C35 | R01014058653 | √ | √ | √ | √ |
| 59 | TOP PLATE (INDOOR) | R01014052259 | √ | √ | √ | √ |
| 60 | AIR FILTER, 1020mm x 615mm | R03084040701 | √ | √ | √ | √ |
| 61 | PANEL, SIDE LEFT | R01014044657 | √ | √ | √ | √ |
| 62 | PANEL, SIDE RIGHT | R01014044481 | √ | √ | √ | √ |
| 63 | COVER, FILTER RIGHT | R01014044536 | √ | √ | √ | √ |
| 64 | ASSY., INTAKE DUCT | R50014041845 | √ | √ | √ | √ |
| 65 | ASSY., DISCHARGE DUCT | R50014038302 | √ | √ | √ | √ |
| 66 | PANEL, SERVICE 1 | R01014057199 | √ | √ | √ | √ |
| 67 | PANEL, SERVICE 2 | R01014057200 | √ | √ | √ | √ |
| 68 | HANDLING HANDLE SL/MSS | R12014015328 | √ | √ | √ | √ |
| 69 | BRACKET, FITTING W881464G03 | R01014043609 | √ | √ | √ | √ |
| **Parts Not Showed In Diagram** | | | | | | |
| | ASSY., HIGH PRESSURE SWITCH 470psi OFF | R50134062905 | √ | √ | - | √ |
| | ASSY., HIGH PRESSURE SWITCH 426psi OFF | R50134062906 | - | - | √ | - |
| | PRESSURE SWITCH, 470psi N/C EXPORT NANGTONG | R04109018820 | √ | √ | - | √ |
| | PRESSURE SWITCH, 426psi N/C EXPORT NANGTONG | R04109015136 | - | - | √ | - |
| | ACCUMULATOR, P734972X02 TC399637-1 MIT | R02119001869 | - | - | √ | √ |
| | FILTER DRIER, EK165S 5/8" ALC | R02164028078 | √ | √ | - | - |
| | FILTER DRIER, BFK 305S ALCO | R02164034985 | - | - | √ | √ |
| | HANDSET, WIRED 1SPW-SLM03EX022 LC MCQUAY | R04089016770 | √ | √ | - | - |
| | HANDSET, WIRED 1SPW-SLM03AX022 AP MCQUAY | R04089016767 | - | - | √ | √ |

** ALL SPECIFICATION ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR MOTICE*

# MODEL : M(4)RT150/200A

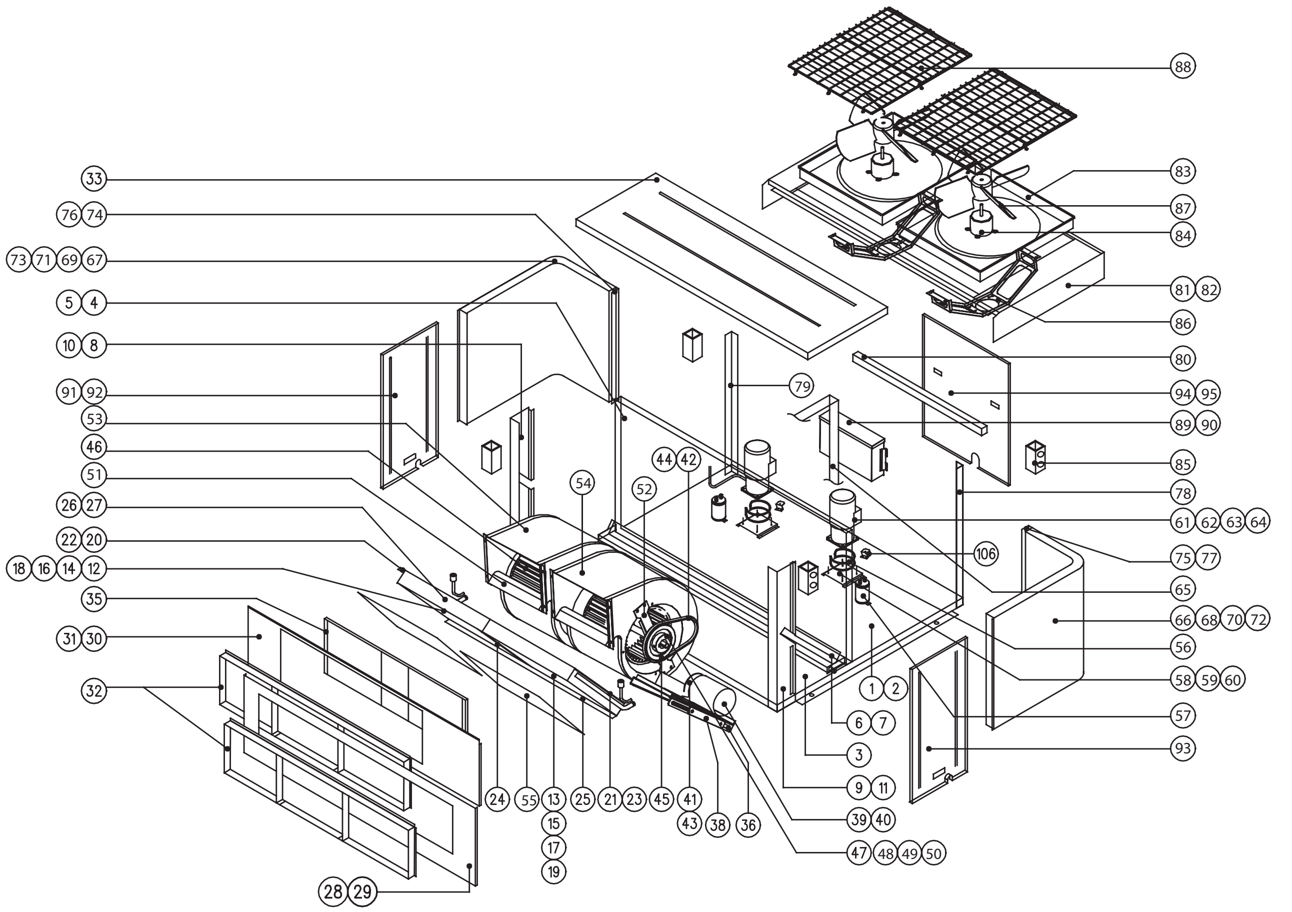



| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| **ITEM** | **DESCRIPTION** | **Part Number** | **MRT150A** | **M4RT150A** | **MRT200A** | **M4RT200A** |
| 1 | ASSY., BASE PAN OD | R50014040146 | √ | √ | √ | √ |
| 2 | ASSY., BASE FRAME REAR | R50014041671 | √ | √ | √ | √ |
| 3 | ASSY., BASE PAN ID | R50014040145 | √ | √ | √ | √ |
| 5 | ASSY., SEPARATOR | R50014041564 | √ | √ | √ | √ |
| 6 | ASSY., DRAIN PAN | R50014044572 | √ | √ | √ | √ |
| 8 | ASSY., PILLAR INDOOR L | R50014040131 | √ | √ | √ | √ |
| 9 | ASSY., PILLAR INDOOR R | R50014040132 | √ | √ | √ | √ |
| 12 | ASSY., COIL INDOOR L | R50024042836 | √ | √ | - | - |
| 13 | ASSY., COIL INDOOR R | R50024042835 | √ | √ | - | - |
| 14 | ASSY., COIL INDOOR L | R50024040219 | - | - | √ | √ |
| 15 | ASSY., COIL INDOOR R | R50024040218 | - | - | √ | √ |
| 20 | PLATE, BAFFLE L | R01014041625 | √ | √ | √ | √ |
| 21 | PLATE, BAFFLE R | R01014041624 | √ | √ | √ | √ |
| 24 | PLATE, BAFFLE C | R01014041763 | √ | √ | √ | √ |
| 25 | ASSY., ATTACHMENT SEPARATOR | R50014042107 | √ | √ | √ | √ |
| 26 | ASSY., BEAM | R50014041629 | √ | √ | √ | √ |
| 28 | ASSY., FRONT PANEL LOW | R50014040079 | √ | √ | √ | √ |
| 30 | ASSY., FRONT PANEL UPPER | R50014040038 | √ | √ | √ | √ |
| 32 | ASSY., DUCT FLANGE | R50014041561 | √ | √ | √ | √ |
| | ASSY., DUCT FLANGE | R50014040161 | √ | √ | √ | √ |
| 33 | ASSY., TOP PANEL | R01014040080 | √ | √ | √ | √ |
| 35 | ASSY., FAN BASE FLANGE | R50014041886 | √ | √ | √ | √ |
| 36 | ASSY., FRAME MOTOR | R50014040110 | √ | √ | √ | √ |
| 37 | ASSY., MOTOR BASE | R50014041956 | √ | √ | √ | √ |
| 38 | WASHER, MOTOR BASE | R01014033657 | √ | √ | √ | √ |
| 39 | MOTOR, 2.2kW 50Hz R P714568X03 HITACHI | R03039004559 | √ | √ | - | - |
| 40 | MOTOR, 3.7kW 50Hz R P714569X03 HITACHI | R03039004561 | - | - | √ | √ |

| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| **ITEM** | **DESCRIPTION** | **Part Number** | **MRT150A** | **M4RT150A** | **MRT200A** | **M4RT200A** |
| 41 | PULLEY, B2*5 28mm | R03044026387 | √ | √ | - | - |
| 42 | BELT, V B42 BANDO | R03054034939 | √ | √ | - | - |
| 43 | PULLEY, B2 x 6 x 28mm NBK | R03049014842 | - | - | √ | √ |
| 44 | BELT, V B43 BANDO | R03054027378 | - | - | √ | √ |
| 45 | PULLEY, BLOWER B2*10*28mm | R03044041068 | √ | √ | √ | √ |
| 46 | BLOWER WHEEL, D384.5X374 PLSTC W125160G04 | R03029014273 | √ | √ | √ | √ |
| 47 | SHAFT, FAN PW/PA20 1365MML VR310G419H05 | R03074036031 | √ | √ | √ | √ |
| 48 | BEARING, t28XID30XOD62 B58D071H04 | R03069005488 | √ | √ | √ | √ |
| 49 | RUBBER MOUNT, T21XID45XOD74*B31H223H01 | R11059005497 | √ | √ | √ | √ |
| 50 | BEARING CASE, t10.5XID33XOD108*B02R192H0 | R01029005492 | √ | √ | √ | √ |
| 51 | CUT OFF, L479mm R02C755H05 | R01014007668 | √ | √ | √ | √ |
| 52 | BEAM ASSY. *W493249G01PW20D | R50019005487 | √ | √ | √ | √ |
| 53 | ASSY., BLOWER HOUSING LEFT | R50014043752 | √ | √ | √ | √ |
| 54 | ASSY., BLOWER HOUSING RIGHT | R50014043755 | √ | √ | √ | √ |
| 55 | AIR FILTER, SARANET 667x840mm | R03084040507 | √ | √ | √ | √ |
| 56 | HEATER, CRANKCASE 90W 240V 018-0047-01 | R04149014268 | √ | √ | √ | √ |
| 58 | ASSY., COMPRESSOR BASE | R50014038332 | √ | √ | √ | √ |
| 61 | COMPRESSOR, ASSY. ZR94KC-TFD-522 COPELAND | R50049004676 | √ | - | - | - |
| 62 | COMPRESSOR, JH521YEB MITSUBISHI | R04019003024 | - | - | - | - |
| | COMPRESSOR, ASSY. ZR94KCE-TFD-522 | R50049014526 | - | √ | - | - |
| 63 | COMPRESSOR, ASSY. ZR125KC-TFD-522 COPELAND | R50049004677 | - | - | √ | - |
| 64 | COMPRESSOR, ASSY. ZR125KCE-TFD-522 | R50049014427 | - | - | - | √ |
| 65 | ASSY., TOP PANEL BEAM | R50014041671 | √ | √ | √ | √ |
| 66 | ASSY., COIL OUTDOOR L | R50024042823 | √ | √ | - | - |
| 67 | ASSY., COIL OUTDOOR R | R50024042822 | √ | √ | - | - |
| 68 | ASSY., COIL OUTDOOR L | R50024040220 | - | - | √ | √ |
| 69 | ASSY., COIL OUTDOOR R | R50024040221 | - | - | √ | √ |
| 74 | ASSY., PILLAR R COND PRG15,20*W876857G03 | R50014041759 | √ | √ | √ | √ |
| 76 | ASSY., PILLAR L COND PRG15,20*W876857G04 | R50014041760 | √ | √ | √ | √ |
| 78 | ASSY., PILLAR L O/D PRG-15,20MYA | R50014040127 | √ | √ | √ | √ |
| 79 | ASSY., PILLAR RIGHT O/D PRG-15,20MYA | R50014040128 | √ | √ | √ | √ |
| 80 | ASSY., PANEL BEAM REAR TOP | R50014041671 | √ | √ | √ | √ |
| 81 | ASSY., PANEL REAR TOP | R50014041488 | √ | √ | √ | √ |
| 83 | ORIFICE PLATE (BELLMOUTH)*W634967G03 | R01014040602 | √ | √ | √ | √ |
| 84 | MOTOR, 0.55kW P714879X01 HITACHI | R03039020142 | √ | √ | √ | √ |
| 85 | BRACKET, FITTING W881464G03 | R01014043609 | √ | √ | √ | √ |
| 86 | ASSY., MOTOR BRACKET | R50014040930 | √ | √ | √ | √ |
| 87 | FAN PROPELLER, 26" SFZ660-135 SINGCHANG | R03019021349 | √ | √ | √ | √ |
| 88 | FAN GUARD, SQUARE PRG8~20 W636557G02 | R01024043642 | √ | √ | √ | √ |
| 89 | ASSY CONTROLLER (4)RT150A/150A/AR | | | | | |
| | TER. BLOCK, 100AMP T3015-5P-C1.1 | R04119001483 | √ | √ | √ | √ |
| | TER. BLOCK, T3020-1-2P-C1.2 20A W872787G01 | R04114031972 | √ | √ | √ | √ |
| | CONT., PAK-26JT-F,2NO,2NC,AC240V,27.5A | R04039014252 | √ | √ | - | - |
| | CONT., PAK-6JTH 1NO 240V 5.0A | R04039020303 | √ | √ | - | - |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 W/O SENSOR | R04089018834 | √ | √ | √ | √ |
| | CONTROL MODULE, SQC 1112 - 01 WE 000003R | R04089028552 | √ | √ | √ | √ |
| 90 | ASSY CONTROLLER (4)RT200A/200A/AR | | | | | |
| | TER. BLOCK, 100AMP T3015-5P W65569G12 | R04119001483 | √ | √ | √ | √ |
| | TER. BLOCK,T3020-1-2P-C1.2 20A W872787G01 | R04114031972 | √ | √ | √ | √ |
| | CONT., PAK-26JT-F,2N0,2NC,AC240V,31.A | R04039013412 | - | - | √ | √ |
| | CONT., PAK-11JT,1NO,AC240V,7.5A,S427022H50 | R04039014971 | - | - | √ | √ |
| | RELAY, LY2F AC220/240V Omron P421132X01 | R04059000668 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 W/O SENSOR | R04089018834 | √ | √ | √ | √ |
| | CONTROL MODULE, SQC 1112 - 01 WE 000003R | R04089028552 | √ | √ | √ | √ |
| 91 | PANEL, SERVICE L | R01014041645 | √ | √ | √ | √ |
| 93 | PLATE, SIDE R | R01014041674 | √ | √ | √ | √ |
| 94 | PANEL, SERVICE REAR | R01014062816 | √ | √ | √ | √ |
| **PARTS NOT SHOWED IN DIAGRAM** | | | | | | |
| | ASSY., SUPPLY AIR | R50014040084 | √ | √ | √ | √ |
| | HANDSET, WIRED SEQ LCD - MCQUAY | R04089010791 | √ | √ | √ | √ |
| | TUBE, CAPILLARY R L-1300mm PRG15MYA | R02084042879 | - | √ | - | - |
| | TUBE, CAPILLARY R (4RT200A) | R02014051395 | - | - | - | √ |
| | TUBE, CAPILLARY L(4RT200A) | R02014051394 | - | - | - | √ |
| | VALVE, TXV TDEX6 5/8X5/8 HP DANFOSS | R05019015254 | √ | - | - | - |
| | VALVE, TXV TDEX12.5 5/8X5/8 HP DANFOSS | R05019022121 | - | - | √ | - |
| | ASSY., ACCESS VALVE 1/4"x70mm CR RUBB R22 | R50054028348 | √ | - | √ | - |
| | VALVE, ACCESS "(R407C)-70mm W/Flange | R05019023909 | - | √ | - | √ |
| | FILTER DRIER, EK165S 5/8" ALCO | R02164028078 | √ | √ | √ | √ |

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## MODEL : M(4)RT150/200AR



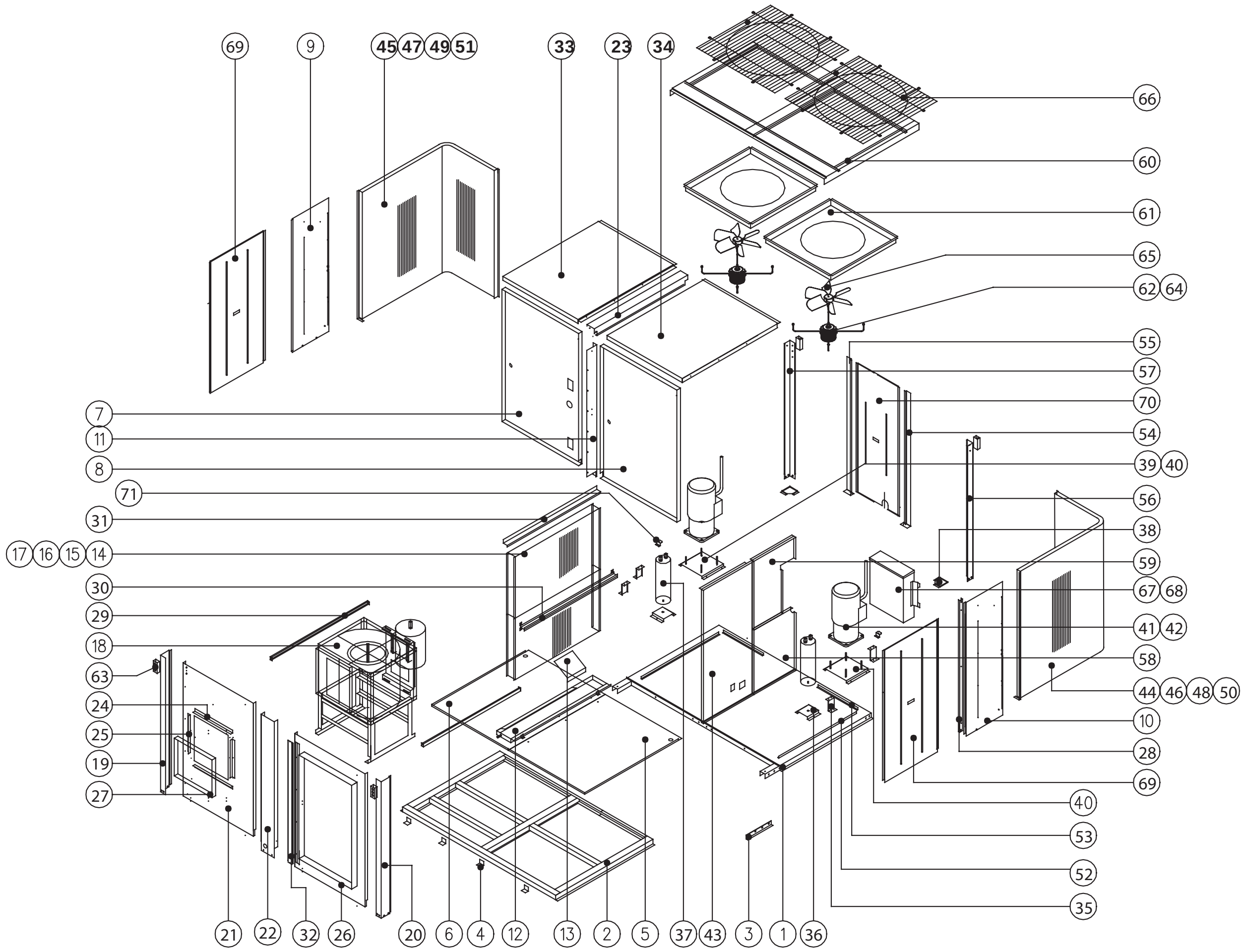

| ITEM | DESCRIPTION | Part Number | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| | | | MRT150AR | M4RT150AR | MRT200AR | M4RT200AR |
| 1 | ASSY., BASE PAN OD | R50014061799 | - | - | √ | - |
| | ASSY., BASE PAN OD | R50014061803 | √ | - | - | - |
| 2 | ASSY., BASE FRAME REAR | R50014041671 | √ | √ | √ | √ |
| | ASSY., BASE FRAME REAR | R50014042485 | - | √ | - | √ |
| 3 | ASSY., BASE PAN ID | R50014061797 | √ | - | √ | - |
| | ASSY., BASE PAN ID | R50014040145 | - | √ | - | √ |
| 4 | ASSY., SEPARATOR | R50014062440 | - | - | √ | - |
| 5 | ASSY., SEPARATOR | R50014061801 | √ | - | - | - |
| | ASSY., SEPARATOR | R50014041564 | - | - | - | - |
| | ASSY., SEPARATOR | R50014045309 | - | √ | - | √ |
| | ASSY, SEPARATOR RT150/200A | R50014062440 | - | - | √ | - |
| 6 | ASSY., DRAIN PAN | R50014044572 | - | - | √ | - |
| 7 | ASSY., DRAIN PAN | R50014045336 | √ | √ | - | √ |
| 8 | ASSY., PILLAR INDOOR L | R50014040131 | - | - | √ | - |
| 9 | ASSY., PILLAR INDOOR R | R50014040132 | - | - | √ | - |
| 10 | ASSY., PILLAR INDOOR L | R50014045348 | √ | √ | - | √ |
| 11 | ASSY., PILLAR INDOOR R | R50014045349 | √ | √ | - | √ |
| 14 | ASSY., COIL INDOOR L | R50024040219 | - | - | √ | - |
| 15 | ASSY., COIL INDOOR R | R50024040218 | - | - | √ | - |
| 16 | ASSY., COIL INDOOR L | R50024042948 | √ | √ | - | - |
| 17 | ASSY., COIL INDOOR R | R50024042949 | √ | √ | - | - |
| 18 | ASSY., COIL INDOOR L | R50024042950 | - | - | - | √ |
| 19 | ASSY., COIL INDOOR R | R50024042951 | - | - | - | √ |
| 20 | PLATE, BAFFLE L | R01014041625 | - | - | √ | - |
| 21 | PLATE, BAFFLE R | R01014041624 | - | - | √ | - |
| 22 | PLATE, BAFFLE L | R01014045365 | √ | √ | - | √ |
| 23 | PLATE, BAFFLE R | R01014045364 | √ | √ | - | √ |
| 24 | PLATE, BAFFLE C | R01014041763 | √ | √ | √ | √ |
| 25 | ASSY., ATTACHMENT SEPARATOR | R50014042107 | √ | √ | √ | √ |
| 26 | ASSY., BEAM | R50014041629 | - | - | √ | - |
| 27 | ASSY., BEAM | R50014045313 | √ | √ | - | √ |
| 28 | ASSY., FRONT PANEL LOW | R50014040079 | - | - | √ | - |
| 29 | ASSY., FRONT PANEL LOW | R50014045321 | √ | √ | - | √ |
| 30 | ASSY., FRONT PANEL UPPER | R50014040038 | - | - | √ | - |
| 31 | ASSY., FRONT PANEL UPPER | R50014045317 | √ | √ | - | √ |

| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| ITEM | DESCRIPTION | Part Number | MRT150AR | M4RT150AR | MRT200AR | M4RT200AR |
| 32 | ASSY., DUCT FLANGE | R50014041561 | √ | √ | √ | √ |
| | ASSY., DUCT FLANGE | R50014040161 | - | √ | - | √ |
| 33 | ASSY., TOP PANEL | R01014040080 | √ | √ | √ | √ |
| 34 | ASSY., BLOWER COVER | R50014041650 | - | √ | - | √ |
| 35 | ASSY., FAN BASE FLANGE | R50014041886 | √ | √ | √ | √ |
| 36 | ASSY., FRAME MOTOR | R50014040110 | √ | √ | √ | √ |
| 37 | ASSY., MOTOR BASE | R50014041956 | √ | √ | √ | √ |
| 38 | WASHER, MOTOR BASE | R01014033657 | √ | √ | √ | √ |
| 39 | MOTOR, 2.2kW 50Hz R P714568X03 HITACHI | R03039004559 | √ | √ | - | - |
| 40 | MOTOR, 3.7kW 50Hz R P714569X03 HITACHI | R03039004561 | - | - | √ | √ |
| 41 | PULLEY, B2*5 28mm | R03044026387 | √ | √ | - | - |
| 42 | BELT, V B42 BANDO | R03054034939 | √ | √ | - | - |
| 43 | PULLEY, B2 x 6 x 28mm NBK | R03049014842 | - | - | √ | √ |
| 44 | BELT, V B43 BANDO | R03054027378 | - | - | √ | √ |
| 45 | PULLEY, BLOWER B2*10*28mm | R03044041068 | √ | √ | √ | √ |
| 46 | BLOWER WHEEL, D384.5X374 PLSTC W125160G04 | R03029014273 | √ | √ | √ | √ |
| 47 | SHAFT, FAN PW/PA20 1365MML VR310G419H05 | R03074036031 | √ | √ | √ | √ |
| 48 | BEARING, t28XID30XOD62 B58D071H04 | R03069005488 | √ | √ | √ | √ |
| 49 | RUBBER MOUNT, T21XID45XOD74*B31H223H01 | R11059005497 | √ | √ | √ | √ |
| 50 | BEARING CASE, t10.5XID33XOD108*B02R192H0 | R01029005492 | √ | √ | √ | √ |
| 51 | CUT OFF, L479mm R02C755H05 | R01014007668 | √ | √ | √ | √ |
| 52 | BEAM ASSY. *W493249G01PW20D | R50019005487 | √ | √ | √ | √ |
| 53 | ASSY., BLOWER HOUSING LEFT | A50014043752 | - | - | - | - |
| 54 | ASSY., BLOWER HOUSING RIGHT | R50014043755 | √ | √ | √ | √ |
| 55 | AIR FILTER, SARANET 667x840mm | R03084040507 | √ | √ | √ | √ |
| 56 | HEATER, CRANKCASE 90W 240V 018-0047-01 | R04149014268 | - | √ | √ | √ |
| 57 | ACCUMULATOR, P734972X02 TC399637-1 MIT | R02119001869 | √ | √ | - | √ |
| 58 | ASSY., COMPRESSOR BASE | R50014038332 | - | √ | √ | √ |
| 59 | ASSY., COMPRESSOR BASE | R50014030812 | √ | - | - | - |
| 62 | COMPRESSOR, JH521YEB MITSUBISHI | R04019003024 | √ | - | - | - |
| | COMPRESSOR, ASSY. ZR94KCE-TFD-522 | R50049014526 | - | √ | - | - |
| 63 | COMPRESSOR, ASSY. ZR125KC-TFD-522 COPELAND | R50049004677 | - | - | √ | - |
| 64 | COMPRESSOR, ASSY. ZR125KCE-TFD-522 | R50049014427 | - | - | - | √ |
| 65 | ASSY., TOP PANEL BEAM | R50014041671 | √ | √ | √ | √ |
| 68 | ASSY., COIL OUTDOOR L | R50024040220 | - | - | √ | - |
| 69 | ASSY., COIL OUTDOOR R | R50024040221 | - | - | √ | - |
| 70 | ASSY., COIL OUTDOOR L | R50024042952 | √ | - | - | - |
| 71 | ASSY., COIL OUTDOOR R | R50024042953 | √ | - | - | - |
| 72 | ASSY., COIL OUTDOOR L | R50024056649 | - | √ | - | - |
| | ASSY., COIL OUTDOOR L | R50029013287 | - | - | - | √ |
| 73 | ASSY., COIL OUTDOOR R | R50024056648 | - | √ | - | - |
| | ASSY., COIL OUTDOOR R | R50029013288 | - | - | - | √ |
| 74 | ASSY., PILLAR R COND PRG15,20*W876857G03 | R50014041759 | - | - | √ | - |
| 75 | ASSY., PILLAR R COND PRHG15,20MYA | R50014045361 | √ | √ | - | √ |
| 76 | ASSY., PILLAR L COND PRG15,20*W876857G04 | R50014041760 | - | - | √ | - |
| 77 | ASSY., PILLAR L COND PRHG15,20MYA | R50014045358 | √ | √ | - | √ |
| 78 | ASSY., PILLAR L O/D PRG-15,20MYA | R50014040127 | √ | √ | √ | √ |
| 79 | ASSY., PILLAR RIGHT O/D PRG-15,20MYA | R50014040128 | √ | √ | √ | √ |
| 80 | ASSY., PANEL BEAM REAR TOP | R50014041671 | √ | √ | √ | √ |
| 81 | ASSY., PANEL REAR TOP | R50014041488 | - | - | √ | - |
| 82 | ASSY., PANEL REAR TOP | R50014042469 | √ | √ | - | √ |
| 83 | ORIFICE PLATE (BELLMOUTH)*W634967G03 | R01014040602 | √ | √ | √ | √ |
| 84 | MOTOR, 0.55kW P714879X01 HITACHI | R03039020142 | √ | √ | √ | √ |
| 85 | BRACKET, FITTING W881464G03 | R01014043609 | √ | √ | √ | √ |
| 86 | ASSY., MOTOR BRACKET | R50014040930 | √ | √ | √ | √ |
| 87 | FAN PROPELLER, 26"(NEW) PX4E660N30R10AA | R03014023612 | - | - | - | - |
| 88 | FAN GUARD, SQUARE PRG8~20 W636557G02 | R01024043642 | √ | √ | √ | √ |

| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| ITEM | DESCRIPTION | Part Number | MRT150AR | M4RT150AR | MRT200AR | M4RT200AR |
| 89 | ASSY CONTROLLER (4)RT150A/150A/AR | | | | | |
| | TER. BLOCK, 100AMP T3015-5P-C1.1 | R04119001483 | √ | √ | √ | √ |
| | TER. BLOCK, T3020A-1-4P-C1.0 20A | R04114013586 | - | √ | - | √ |
| | TER. BLOCK, T3020-1-2P-C1.2 20A W872787G01 | R04114031972 | - | - | √ | - |
| | TER. BLOCK, T3020A-1-3P-C1.0 20A | R04114014950 | √ | - | - | - |
| | CONT., PAK-26JT-F,2NO,2NC,AC240V,27.5A | R04039014252 | - | √ | - | - |
| | CONT., PAK-26JT-F,AC240V,22.A,S427021H70 | R04039014910 | √ | - | - | - |
| | CONT., PAK-6JTH 1NO 240V 5.0A S427022H79 | R04039020303 | √ | √ | - | - |
| | CONT., PAK-6J,1NO,AC240V, TOGAMI | R04039013411 | √ | √ | - | √ |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | - | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 W/O SENSOR | R04089018834 | - | √ | √ | √ |
| | CONTROL MODULE, SQH22 1112-01WA 700003R | R04089028557 | √ | √ | - | √ |
| | CONTROL MODULE, SQC2 1112-01WE 000003R | R04089028552 | - | - | √ | - |
| 90 | ASSY CONTROLLER (4)RT200A/200A/AR | | | | | |
| | TER. BLOCK, 100AMP T3015-5P W65569G12 | R04119001483 | √ | √ | √ | √ |
| | TER. BLOCK, T3020A-1-4P-C1.0 20A | R04114013586 | - | √ | - | √ |
| | TER. BLOCK,T3020-1-2P-C1.2 20A W872787G01 | R04114031972 | - | - | √ | - |
| | CONT., PAK-26JT-F,2N0,2NC,AC240V,31.A | R04039013412 | - | - | √ | √ |
| | CONT., PAK-11JT,1NO,AC240V,7.5A,S427022H50 | R04039014971 | - | - | √ | √ |
| | CONT., PAK-6J,1NO,AC240V, TOGAMI | R04039013411 | √ | √ | - | √ |
| | RELAY, LY2F AC220/240V Omron P421132X01 | R04059000668 | - | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 W/O SENSOR | R04089018834 | - | √ | √ | √ |
| | CONTROL MODULE, SQE 2 1112-01 WE 000003R | R04089028552 | - | - | √ | - |
| | CONTROL MODULE, SQH 22 1112-01WA 700003R | R04089028557 | √ | √ | - | √ |
| 91 | PANEL, SERVICE L | R01014041645 | - | - | √ | - |
| 92 | PANEL, SERVICE L | R01014045377 | √ | √ | - | √ |
| 93 | PLATE, SIDE R | R01014041674 | √ | √ | √ | √ |
| 94 | PANEL, SERVICE REAR | R01014062816 | - | - | √ | - |
| 95 | ASSY., PANEL SERVICE REAR LOWER | R50014068076 | √ | - | - | - |
| | PANEL, SERVICE REAR UPPER | R01014068074 | √ | - | - | - |
| | PANEL, SERVICE REAR | R01014054646 | - | √ | - | √ |
| 96 | SUPPORT, PIPE | R01014069093 | √ | √ | - | √ |
| **PARTS NOT SHOWED IN DIAGRAM** | | | | | | |
| | HANDSET, WIRED SEQ LCD - MCQUAY | R04089010791 | √ | √ | √ | √ |
| | TUBE, CAPILLARY OD6.0xID4.0x800.0mm | R02014041786 | - | - | √ | - |
| | TUBE, CAPILLARY L OD6.0xID4.0x800.0mm | R02014041787 | - | - | √ | - |
| | VALVE, TXV TDEX6 5/8X5/8 HP DANFOSS | R05019015254 | - | √ | - | - |
| | VALVE, TXV TDEX12.5 5/8X5/8 HP DANFOSS | R05019022121 | - | - | - | √ |
| | ASSY., ACCESS VALVE 1/4"x70mm CR RUBB R22 | R50054028348 | √ | - | √ | - |
| | VALVE, ACCESS "(R407C)-70mm W/Flange | R05019023909 | - | √ | - | √ |
| | FILTER DRIER, BFK 165S ALCO | R02164034987 | - | √ | - | √ |
| | TUBE, CAPILLARY 1 (COOL) OD6XID4.X700 | R02014042740 | √ | - | - | - |
| | TUBE, CAPALLARY 2 (HEAT) OD6XID4.X2800 | R02014042738 | √ | - | - | - |

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# MODEL : M(4)RT250/300A



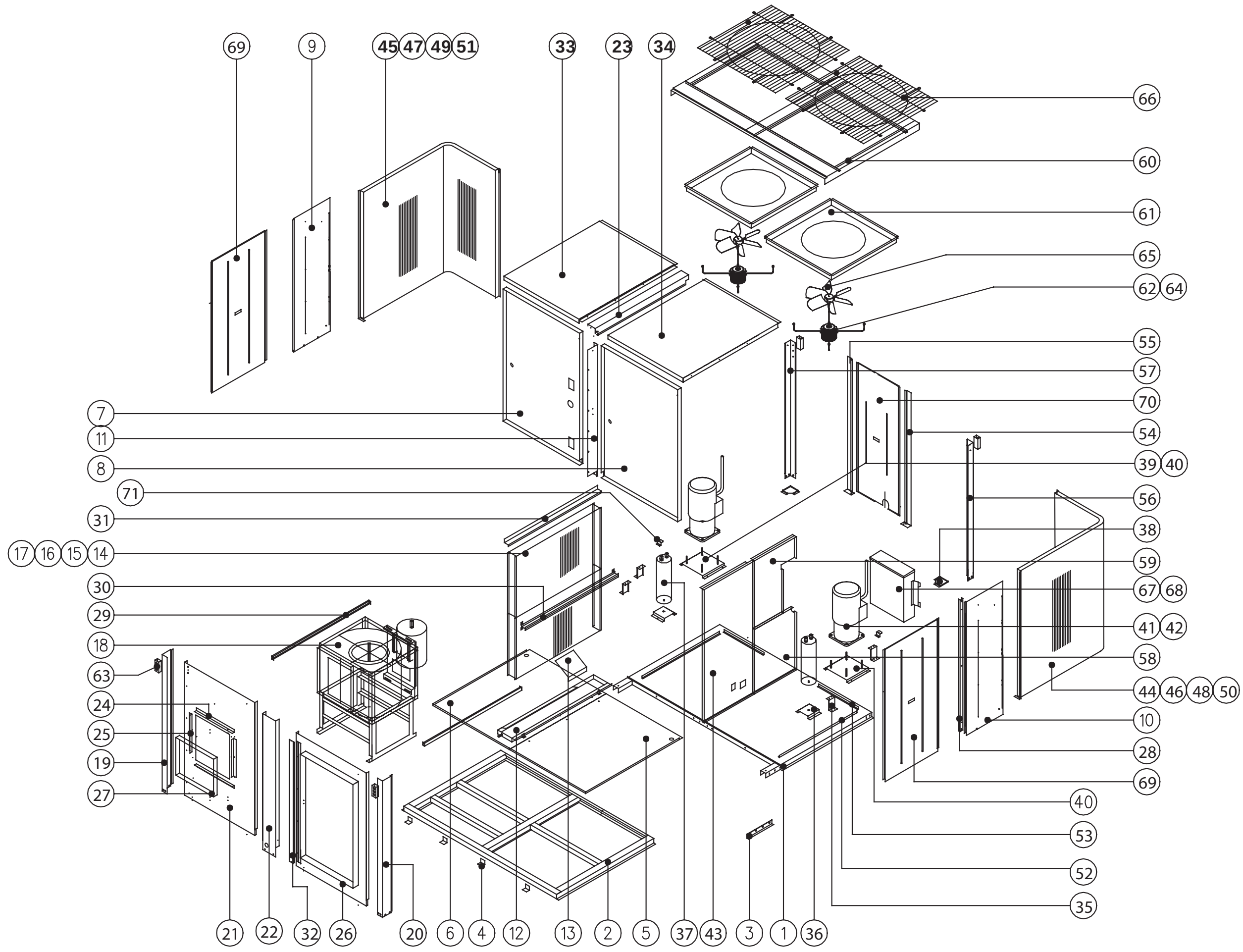

| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL MRT250A | M4RT250A | MRT300A | M4RT300A |
|---|---|---|---|---|---|---|
| 1 | ASSY., BASE FRAME REAR | R50014050627 | √ | √ | √ | √ |
| 2 | ASSY., BASE FRAME FRONT | R50014050626 | √ | √ | √ | √ |
| 3 | PLATE, BASE | R01014050830 | √ | √ | √ | √ |
| 4 | FIXTURE | R01014009584 | √ | √ | √ | √ |
| 5 | ASSY., RIGHT BASE PANEL (INS) | R50014050875 | √ | √ | √ | √ |
| 6 | ASSY., LEFT BASE PANEL (INS) | R50014050876 | √ | √ | √ | √ |
| 7 | ASSY., PARTITION L (INS) | R50014050884 | √ | √ | √ | √ |
| 8 | ASSY., PARTITION R (INS) | R50014050885 | √ | √ | √ | √ |
| 9 | ASSY., SIDE PILLAR L (INS) | R50014052780 | √ | √ | √ | √ |
| 10 | ASSY., SIDE PILLAR R | R50014052781 | √ | √ | √ | √ |
| 11 | ASSY., COIL SUPPORT (INS) | R50014050886 | √ | √ | √ | √ |
| 12 | ASSY., DRAIN PAN (INS) | R50014050883 | √ | √ | √ | √ |
| 13 | PAN, DRIP | R01014054787 | √ | √ | √ | √ |
| 14 | ASSY., COIL INDOOR | R50024052669 | √ | √ | - | - |
| 15 | ASSY., COIL INDOOR | R50024052670 | - | - | √ | - |
| 17 | ASSY., COIL INDOOR | R50024050121 | - | - | - | √ |
| 19 | ASSY., FRONT PILLAR L (INS) | R50014055515 | √ | √ | √ | √ |
| 20 | ASSY., FRONT PILLAR R (INS) | R50014055516 | √ | √ | √ | √ |
| 21 | ASSY., FRONT PANEL L (INS) | R50014050877 | √ | √ | √ | √ |
| 22 | ASSY., CENTER PILLAR (INS) | R50014052779 | √ | √ | √ | √ |
| 23 | ASSY., TOP PANEL SUPPORT (INS) | R50014050888 | √ | √ | √ | √ |
| 24 | HOLDER, BLOWER 1 | R01014052263 | √ | √ | √ | √ |
| 25 | HOLDER, BLOWER 2 | R01014052264 | √ | √ | √ | √ |
| 26 | ASSY., FRONT PANEL R (INS) | R50014050878 | √ | √ | √ | √ |
| 27 | ASSY., DISCHARGE DUCT FLANGE | R50014050866 | √ | √ | √ | √ |
| 28 | ASSY., SIDE PANEL HOLDER (INS) | R50014056230 | √ | √ | √ | √ |
| 29 | BEAM, PANEL HOLDER | R01014052162 | √ | √ | √ | √ |
| 30 | ASSY., FILTER RAIL CENTER | R50014050868 | √ | √ | √ | √ |

| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| ITEM | DESCRIPTION | PART NUMBER | MRT250A | M4RT250A | MRT300A | M4RT300A |
| 31 | RAIL FITER 2 | R01014050857 | √ | √ | √ | √ |
| 32 | ASSY., FILTER COVER (INS) | R50014050887 | √ | √ | √ | √ |
| 33 | ASSY., PANEL FRONTTOP L (INS) | R50014050881 | √ | √ | √ | √ |
| 34 | ASSY., PANEL FRONTTOP R (INS) | R50014050882 | √ | √ | √ | √ |
| 35 | SUPPORT,TUBE | R01014050846 | √ | √ | √ | √ |
| 36 | SUPPORT ACCUMULATOR | R01014050845 | - | - | - | √ |
| 37 | ACCUMULATOR,A-AS62011 ALCO | R02119011433 | - | - | - | √ |
| 38 | SUPPORT, COIL BASE | R01014052335 | √ | √ | √ | √ |
| 39 | ASSY., COMPRESSOR SUPPORT RT250 | R50014051025 | √ | √ | - | - |
| 40 | ASSY., COMPRESSOR SUPPORT RT300 | R50014051026 | - | - | √ | √ |
| 41 | COMPRESSOR,ASSY. ZR144KC-TFD-522 | R50049007081 | √ | - | - | - |
| | COMPRESSOR,ASSY. ZR144KCE-TFD-522 | R50049014428 | - | √ | - | - |
| 42 | COMPRESSOR,ASSY. ZR19M3-TWD-522 Copeland | R50049004679 | - | - | √ | - |
| | COMPRESSOR,ASSY ZR19M3E-TWD-522 | R50049014429 | - | - | - | √ |
| 43 | ASSY., SEPARATOR 1 | R50014050869 | √ | √ | √ | √ |
| 44 | ASSY., COIL OUTDOOR L | R50024052671 | √ | √ | - | - |
| 45 | ASSY., COIL OUTDOOR R | R50024052672 | √ | √ | - | - |
| 46 | ASSY., COIL OUTDOOR L | R50024052673 | - | - | √ | - |
| 47 | ASSY., COIL OUTDOOR R | R50024052674 | - | - | √ | - |
| 50 | ASSY., COIL OUTDOOR L | R50024050138 | - | - | - | √ |
| 51 | ASSY., COIL OUTDOOR R | R50024050139 | - | - | - | √ |
| 52 | PLATE, BOTTOM 1 | R01014050620 | - | - | - | √ |
| 53 | PLATE, BOTTOM 2 | R01014050621 | - | - | - | √ |
| 54 | ASSY., PILLAR REAR CENTER L | R50014050871 | √ | √ | √ | √ |
| 55 | ASSY., PILLAR REAR CENTER R | R50014050872 | √ | √ | √ | √ |
| 56 | ASSY., PILLAR OUTDOOR L | R50014050862 | √ | √ | √ | √ |
| 57 | ASSY., PILLAR OUTDOOR R | R50014050864 | √ | √ | √ | √ |
| 58 | PANEL, SEPARATOR 3 | R01014050825 | √ | √ | √ | √ |
| 59 | ASSY., SEPARATOR 2 | R50014050870 | √ | √ | √ | √ |
| 60 | ASSY., REAR TOP PANEL | R50014052963 | √ | √ | √ | √ |
| 61 | ORIFICE, 32" | R01014050828 | √ | √ | √ | √ |
| 62 | MOTOR, AEFPAL 6P-2.1HP,415V/3P/50HzTECO | R03039015420 | √ | √ | √ | √ |
| 63 | BRACKET, FITTING W881464G03 | R01014043609 | √ | √ | √ | √ |
| 64 | BRACKET, FAN MOTOR 32" | R01024051691 | √ | √ | √ | √ |
| 65 | FAN PROPELLER, 32" TFL800 SINGCHANG | R03019021351 | √ | √ | √ | √ |
| 66 | GUARD, FAN RT250/300 | R01024051023 | √ | √ | √ | √ |

| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| ITEM | DESCRIPTION | PART NUMBER | MRT250A | M4RT250A | MRT300A | M4RT300A |
| 67 | ASSY CONTROLLER (4)RT250A/AR | | | | | |
| | TER. BLOCK, T3013-5P C1.2 150A | R04114037659 | √ | √ | √ | √ |
| | TER. BLOCK, T3020A-1-6P-C1.0 20A | R04114013948 | - | - | - | √ |
| | TER. BLOCK, T3020A-1-3P-C1.0 20A | R04114014950 | √ | √ | √ | - |
| | CONT., PAK-26JT-F,2NO,2NC,AC240V,27.5A | R04039014252 | √ | √ | - | - |
| | CONT., PAK-21JT,1NO,1NC,AC240V,12.A, | R04039014906 | √ | √ | - | - |
| | CONT,PAK-6J,1NO,AC240V,TOGAMI | R04039013411 | - | - | - | √ |
| | PHASE PROTECTOR, PP1.03 W/O | R04089018834 | √ | √ | √ | √ |
| | CONTROL MODULE, SQE 2 1112-01 WE | R04089028552 | √ | √ | √ | - |
| | CONTROL MODULE, SQH 22 1112-01WA | R04089028557 | - | - | - | √ |
| | RELAY, LY2F AC220/240V OMRON | R04059000668 | √ | √ | √ | √ |
| 68 | ASSY CONTROLLER (4)RT300A/AR | | | | | |
| | CONT., PAK-35JT-F,2N02NC,AC240V,32A | R04039015425 | - | - | √ | √ |
| | CONT., PAK-21JT-F,1NO,1NC,AC240V,15.A, | R04039014972 | - | - | √ | √ |
| | CONT., PAK-6J,1NO,AC240V,TOGAMI | R04039013411 | - | - | - | √ |
| | TER. BLOCK, T3013-5P C1.2 150A | R04114037659 | √ | √ | √ | √ |
| | TER. BLOCK, T3020A-1-3P-C1.0 20A | R04114014950 | √ | √ | √ | - |
| | TER. BLOCK, T3020A-1-6P-C1.0 20A | R04114013948 | - | - | - | √ |
| | PHASE PROTECTOR, PP1.03 NO SENSOR EXPORT | R04089018834 | √ | √ | √ | √ |
| | CONTROL MODULE, SQC2 1112 - 01 WE 000003R | R04089028552 | √ | √ | √ | - |
| | CONTROL MODULE, SQH22 1112 - 01 WA 700003R | R04089028557 | - | - | - | √ |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | √ | √ | √ | √ |
| 69 | ASSY., SIDE PANEL (INS) | R50014050879 | √ | √ | √ | √ |
| 70 | PANEL, SERVICE | R01014050819 | √ | √ | √ | √ |
| 71 | SUPPORT, PIPE | R01014070906 | - | - | - | √ |
| **Part Not in Diagram** | | | | | | |
| | FAN GUARD | R01024051023 | √ | √ | √ | √ |
| | MOTOR, AEFPAL 6P-2.1HP,415V/3p/50HZ-TECO | R03039015420 | √ | √ | √ | √ |
| | MOTOR, 5.5KW 50HZ L P714609X02 HITACHI | R03039004620 | √ | √ | - | - |
| | MOTOR, 7.5KW 50HZ L P714597X02 HITACHI | R03039004621 | - | - | √ | √ |
| | HANDSET, WIRED SEQ LCD - MCQUAY | R04089010791 | √ | √ | √ | √ |
| | FILTER DRIER, EK-305S ALCO | R02164034927 | √ | √ | √ | - |
| | FILTER DRIER, BFK 305S ALCO | R02164034985 | - | - | - | √ |
| | VALVE, REV 4 WAY V10-418124-2IL R22 | R05014024168 | - | - | - | √ |
| | PLUG, CHARGE W494431H03 | R05019003444 | √ | √ | √ | √ |
| | VALVE, TXV TDEX11 5/8X5/8 HP DANFOSS | R05019022122 | √ | √ | - | - |
| | VALVE, TXV TDEX12.5 5/8X5/8 | R05019022123 | - | - | √ | - |
| | VALVE, TXV TDEBX 12.5TR 5/8X7/8" DANFOSS | R05019026083 | - | - | - | √ |
| | THERMOSTAT, DISCHARGE UT12-2500K UBUKAT | R04159014891 | √ | √ | √ | √ |
| | ASSY., HIGH PRESSURE SWITCH 470psi OFF | R50134062905 | √ | √ | √ | √ |

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# MODEL : M(4)RT250/300AR



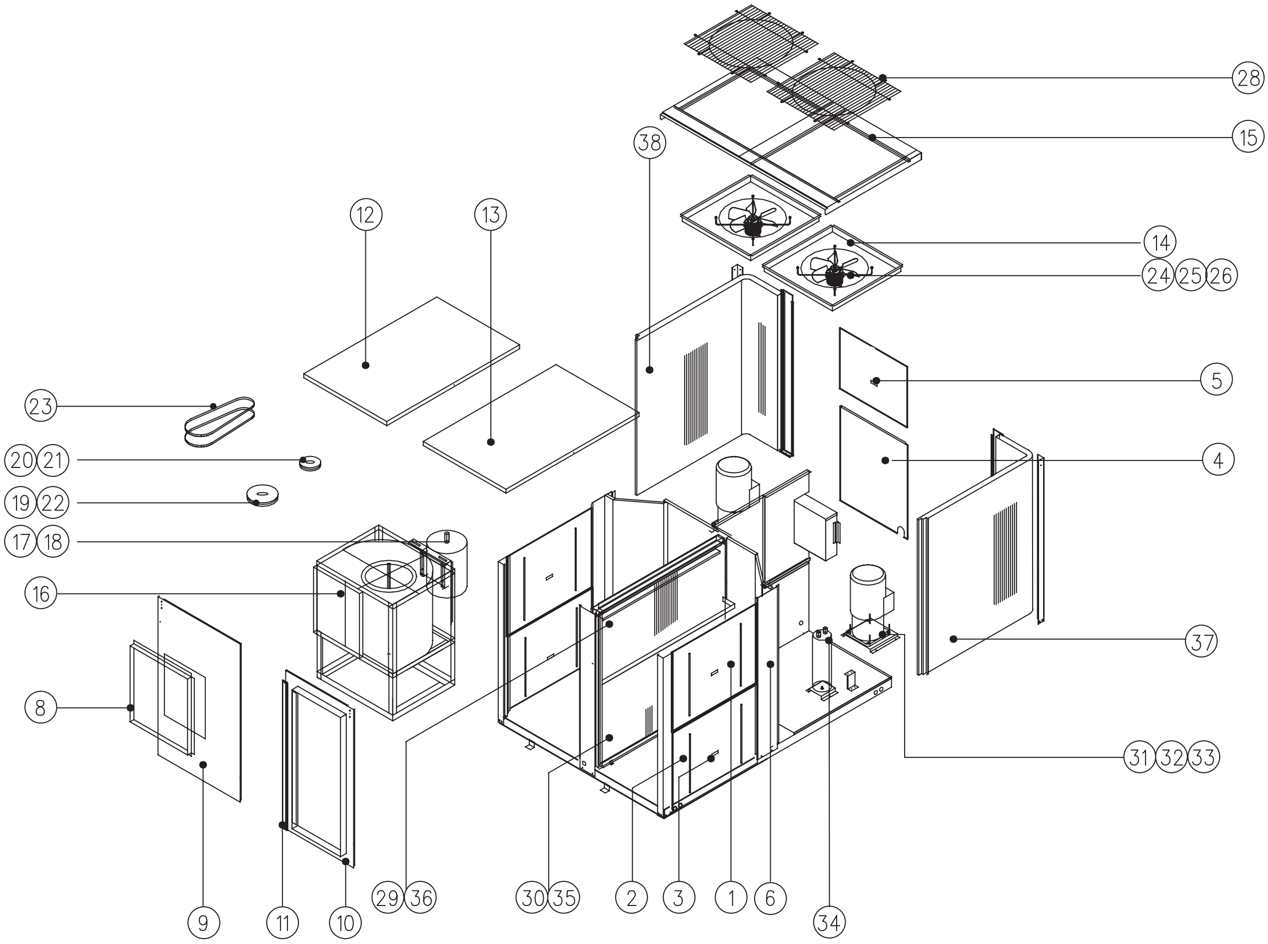

| ITEM | DESCRIPTION | PART NUMBER | MRT250AR | M4RT250AR | MRT300AR | M4RT300AR |
|---|---|---|---|---|---|---|
| 1 | ASSY., BASE FRAME REAR | R50014050627 | √ | √ | √ | √ |
| 2 | ASSY., BASE FRAME FRONT | R50014050626 | √ | √ | √ | √ |
| 3 | PLATE, BASE | R01014050830 | √ | √ | √ | √ |
| 4 | FIXTURE | R01014009584 | √ | √ | √ | √ |
| 5 | ASSY., RIGHT BASE PANEL (INS) | R50014050875 | √ | √ | √ | √ |
| 6 | ASSY., LEFT BASE PANEL (INS) | R50014050876 | √ | √ | √ | √ |
| 7 | ASSY., PARTITION L (INS) | R50014050884 | √ | √ | √ | √ |
| 8 | ASSY., PARTITION R (INS) | R50014050885 | √ | √ | √ | √ |
| 9 | ASSY., SIDE PILLAR L (INS) | R50014052780 | √ | √ | √ | √ |
| 10 | ASSY., SIDE PILLAR R | R50014052781 | √ | √ | √ | √ |
| 11 | ASSY., COIL SUPPORT (INS) | R50014050886 | √ | √ | √ | √ |
| 12 | ASSY., DRAIN PAN (INS) | R50014050883 | √ | √ | √ | √ |
| 13 | PAN, DRIP | R01014054787 | √ | √ | √ | √ |
| 16 | ASSY., COIL INDOOR | R50024052403 | √ | √ | - | - |
| 17 | ASSY., COIL INDOOR | R50024050121 | - | - | √ | √ |
| 18 | BLOWER, CPLT FAN KAT 18/18 C D25 KRUGER | A03029016298 | √ | √ | √ | √ |
| 19 | ASSY., FRONT PILLAR L (INS) | R50014055515 | √ | √ | √ | √ |
| 20 | ASSY., FRONT PILLAR R (INS) | R50014055516 | √ | √ | √ | √ |
| 21 | ASSY., FRONT PANEL L (INS) | R50014050877 | √ | √ | √ | √ |
| 22 | ASSY., CENTER PILLAR (INS) | R50014052779 | √ | √ | √ | √ |
| 23 | ASSY., TOP PANEL SUPPORT (INS) | R50014050888 | √ | √ | √ | √ |
| 24 | HOLDER, BLOWER 1 | R01014052263 | √ | √ | √ | √ |
| 25 | HOLDER, BLOWER 2 | R01014052264 | √ | √ | √ | √ |
| 26 | ASSY., FRONT PANEL R (INS) | R50014050878 | √ | √ | √ | √ |
| 27 | ASSY., DISCHARGE DUCT FLANGE | R50014050866 | √ | √ | √ | √ |
| 28 | ASSY., SIDE PANEL HOLDER (INS) | R50014056230 | √ | √ | √ | √ |
| 29 | BEAM, PANEL HOLDER | R01014052162 | √ | √ | √ | √ |
| 30 | ASSY., FILTER RAIL CENTER | R50014050868 | √ | √ | √ | √ |

| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| | | | MRT250AR | M4RT250AR | MRT300AR | M4RT300AR |
| 31 | RAIL FITER 2 | R01014050857 | √ | √ | √ | √ |
| 32 | ASSY., FILTER COVER (INS) | R50014050887 | √ | √ | √ | √ |
| 33 | ASSY., PANEL FRONTTOP L (INS) | R50014050881 | √ | √ | √ | √ |
| 34 | ASSY., PANEL FRONTTOP R (INS) | R50014050882 | √ | √ | √ | √ |
| 35 | SUPPORT,TUBE | R01014050846 | √ | √ | √ | √ |
| 36 | SUPPORT ACCUMULATOR | R01014050845 | √ | √ | √ | √ |
| 37 | ACCUMULATOR,A-AS62011 ALCO | R02119011433 | √ | √ | √ | √ |
| 38 | SUPPORT, COIL BASE | R01014052335 | √ | √ | √ | √ |
| 39 | ASSY., COMPRESSOR SUPPORT RT250 | R50014051025 | √ | √ | - | - |
| 40 | ASSY., COMPRESSOR SUPPORT RT300 | R50014051026 | - | - | √ | √ |
| 41 | COMPRESSOR,ASSY. ZR144KC-TFD-522 | R50049007081 | √ | - | - | - |
| | COMPRESSOR,ASSY. ZR144KCE-TFD-522 | R50049014428 | - | √ | - | - |
| 42 | COMPRESSOR,ASSY. ZR19M3-TWD-522 Copeland | R50049004679 | - | - | √ | - |
| | COMPRESSOR,ASSY ZR19M3E-TWD-522 | R50049014429 | - | - | - | √ |
| 43 | ASSY., SEPARATOR 1 | R50014050869 | √ | √ | √ | √ |
| 48 | ASSY., COIL OUTDOOR L | R50024052401 | √ | √ | - | - |
| 49 | ASSY., COIL OUTDOOR R | R50024052402 | √ | √ | - | - |
| 50 | ASSY., COIL OUTDOOR L | R50024050138 | - | - | √ | √ |
| 51 | ASSY., COIL OUTDOOR R | R50024050139 | - | - | √ | √ |
| 52 | PLATE, BOTTOM 1 | R01014050620 | √ | √ | √ | √ |
| 53 | PLATE, BOTTOM 2 | R01014050621 | √ | √ | √ | √ |
| 54 | ASSY., PILLAR REAR CENTER L | R50014050871 | √ | √ | √ | √ |
| 55 | ASSY., PILLAR REAR CENTER R | R50014050872 | √ | √ | √ | √ |
| 56 | ASSY., PILLAR OUTDOOR L | R50014050862 | √ | √ | √ | √ |
| 57 | ASSY., PILLAR OUTDOOR R | R50014050864 | √ | √ | √ | √ |
| 58 | PANEL, SEPARATOR 3 | R01014050825 | √ | √ | √ | √ |
| 59 | ASSY., SEPARATOR 2 | R50014050870 | √ | √ | √ | √ |
| 60 | ASSY., REAR TOP PANEL | R50014052963 | √ | √ | √ | √ |
| 61 | ORIFICE, 32" | R01014050828 | √ | √ | √ | √ |
| 62 | MOTOR, AEFPAL 6P-2.1HP,415V/3P/50HzTECO | R03039015420 | √ | √ | √ | √ |
| 63 | BRACKET, FITTING W881464G03 | R01014043609 | √ | √ | √ | √ |
| 64 | BRACKET, FAN MOTOR 32" | R01024051691 | √ | √ | √ | √ |
| 65 | FAN PROPELLER, 32" TFL800 SINGCHANG | R03019021351 | √ | √ | √ | √ |
| 66 | GUARD, FAN RT250/300 | R01024051023 | √ | √ | √ | √ |

| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| **ITEM** | **DESCRIPTION** | **PART NUMBER** | **MRT250AR** | **M4RT250AR** | **MRT300AR** | **M4RT300AR** |
| 67 | ASSY CONTROLLER (4)RT250A/AR | | | | | |
| | TER. BLOCK, T3013-5P C1.2 150A | R04114037659 | √ | √ | √ | √ |
| | TER. BLOCK, T3020A-1-6P-C1.0 20A | R04114013948 | √ | √ | √ | √ |
| | CONT., PAK-26JT-F,2NO,2NC,AC240V,27.5A | R04039014252 | √ | √ | - | - |
| | CONT., PAK-21JT,1NO,1NC,AC240V,12.A, | R04039014906 | √ | √ | - | - |
| | CONT,PAK-6J,1NO,AC240V,TOGAMI | R04039013411 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 W/O SENSOR | R04089018834 | √ | √ | √ | √ |
| | CONTROL MODULE, SQH22 1112 - 01 WA 700003R | R04089028557 | √ | √ | √ | √ |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | √ | √ | √ | √ |
| 68 | ASSY CONTROLLER (4)RT300A/AR | | | | | |
| | CONT., PAK-35JT-F,2N02NC,AC240V,32A | R04039015425 | - | - | √ | √ |
| | CONT., PAK-21JT-F,1NO,1NC,AC240V,15.A, | R04039014972 | - | - | √ | √ |
| | CONT., PAK-6J,1NO,AC240V,TOGAMI | R04039013411 | √ | √ | √ | √ |
| | TER. BLOCK, T3013-5P C1.2 150A | R04114037659 | √ | √ | √ | √ |
| | TER. BLOCK, T3020A-1-6P-C1.0 20A | R04114013948 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 NO SENSOR EXPORT | R04089018834 | √ | √ | √ | √ |
| | CONTROL MODULE, SQH22 1112 - 01 WA 700003R | R04089028557 | √ | √ | √ | √ |
| | RELAY, LY2F AC220/240V OMRON P421132X01 | R04059000668 | √ | √ | √ | √ |
| 69 | ASSY., SIDE PANEL (INS) | R50014050879 | √ | √ | √ | √ |
| 70 | PANEL, SERVICE | R01014050819 | √ | √ | √ | √ |
| 71 | SUPPORT, PIPE | R01014070906 | √ | √ | √ | √ |
| **PART NOT IN DIAGRAM** | | | | | | |
| | FAN GUARD | R01024051023 | √ | √ | √ | √ |
| | MOTOR, AEFPAL 6P-2.1HP,415V/3p/50HZ-TECO | R03039015420 | √ | √ | √ | √ |
| | MOTOR, 5.5KW 50HZ L P714609X02 HITACHI | R03039004620 | √ | √ | - | - |
| | MOTOR, 7.5KW 50HZ L P714597X02 HITACHI | R03039004621 | - | - | √ | √ |
| | HANDSET, WIRED SEQ LCD - MCQUAY | R04089010791 | √ | √ | √ | √ |
| | FILTER DRIER, BFK 305S ALCO | R02164034985 | √ | √ | √ | √ |
| | VALVE, REV 4 WAY V10-418124-2IL R22 | R05014024168 | √ | √ | √ | √ |
| | PLUG, CHARGE W494431H03 | R05019003444 | √ | √ | √ | √ |
| | VALVE, TXV TDEBX 11TR 5/8"X7/8" DANFOSS | R05019026084 | √ | √ | - | - |
| | VALVE, TXV TDEBX 12.5TR 5/8X7/8" DANFOSS | R05019026083 | - | - | √ | √ |
| | ASSY., HIGH PRESSURE SWITCH 470psi OFF | R50134062905 | - | √ | - | √ |
| | ASSY., HIGH PRESSURE SWITCH 426psi OFF | R50134062906 | √ | - | √ | - |

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## MODEL : M(4)RT360/420A

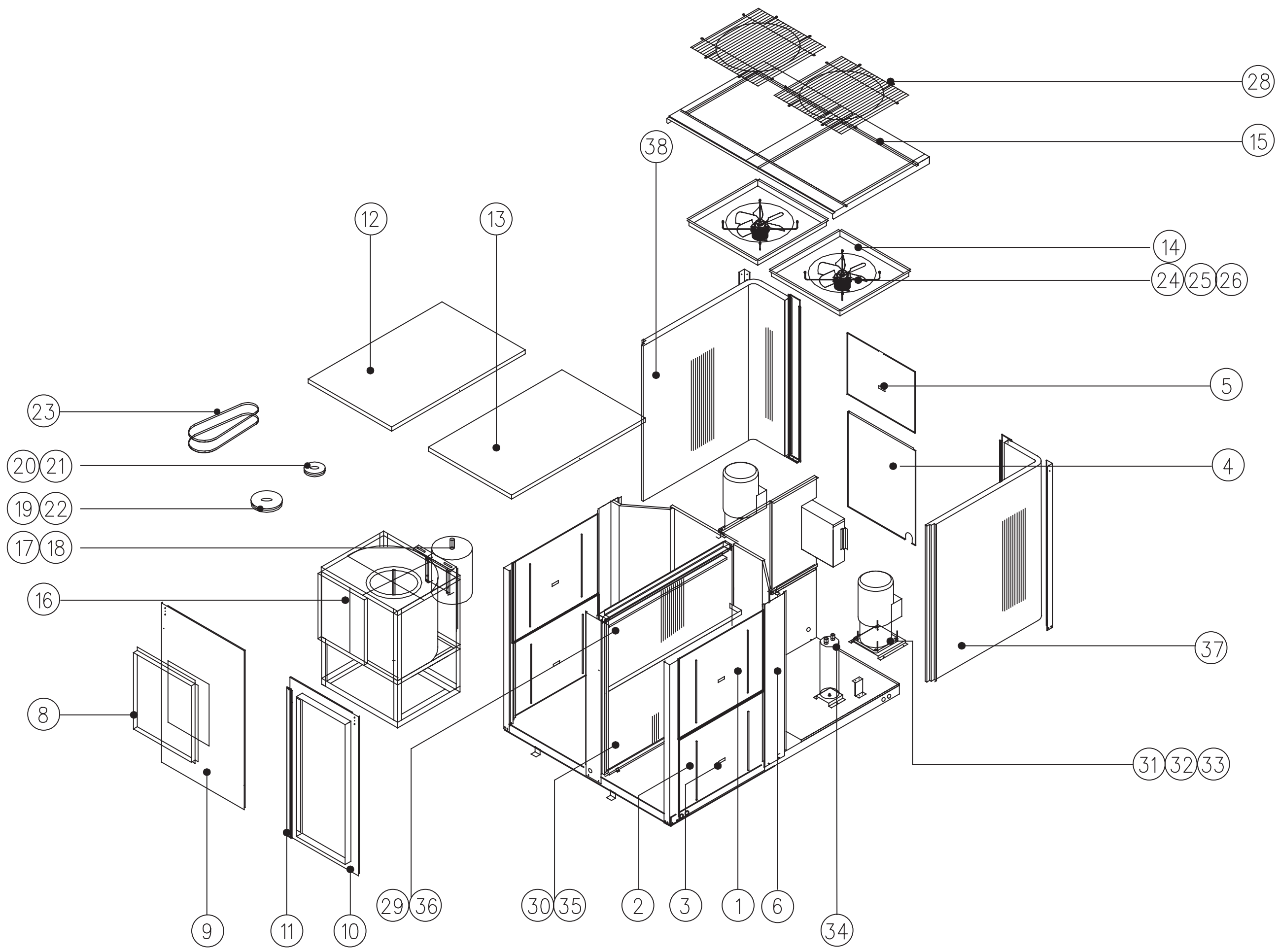



| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| | | | MRT360A | M4RT360A | MRT420A | M4RT420A |
| 1 | ASSY, LOWER SIDE PANEL (INS) (P100796) | R50014100777 | √ | √ | √ | √ |
| 2 | ASSY, UPPER SIDE PANEL (INS) (P100902) | R50014100776 | √ | √ | √ | √ |
| 3 | HANDLING HANDLE SL/MSS | R12014015328 | √ | √ | √ | √ |
| 4 | PANEL,SERVICE LOWER | R01014100751 | - | - | √ | √ |
| 5 | PANEL,SERVICE UPPER | R01014100749 | √ | √ | √ | √ |
| 6 | ASSY., SIDE PILLAR L (INS) | R50014078845 | √ | √ | √ | √ |
| 7 | ASSY., SIDE PILLAR R | R50014078846 | √ | √ | √ | √ |
| 8 | ASSY., DISCHARGE DUCT FLANGE | R50014078442 | √ | √ | √ | √ |
| 9 | ASSY., FRONT PANEL L (INS) | R50014078849 | √ | √ | √ | √ |
| 10 | ASSY., FRONT PANEL R (INS) | R50014078850 | √ | √ | √ | √ |
| 11 | ASSY, FILTER COVER (INS) (P100748) | R50014100775 | √ | √ | √ | √ |
| 12 | ASSY, FRONT TOP PANEL L (INS) (P100755) | R50014100778 | √ | √ | √ | √ |
| 13 | ASSY, FRONT TOP PANEL R (INS) (P100756) | R50014100779 | √ | √ | √ | √ |
| 14 | ORIFICE, 32" | R01014050828 | √ | √ | √ | √ |
| 15 | ASSY., REAR TOP PANEL | R50014078451 | √ | √ | √ | √ |
| 16 | BLOWER, CPLT FDA 560 CMV L/H KRUGER CCW | A03029024415 | √ | √ | √ | √ |
| 17 | MOTOR, 7.5KW 50HZ L P714597X02 HITACHI | R03039004621 | √ | √ | √ | √ |
| 18 | SHEET, RUBBER t5x48x218mm 18 | R11024018064 | √ | √ | √ | √ |
| 19 | PULLEY, BUSH 2517/40 19 1 1 | R03049013770 | √ | √ | √ | √ |
| 20 | PULLEY, A2 VPT139 REPTECH 20 | R03049026088 | √ | √ | √ | √ |
| 21 | PULLEY, BUSH 1615-38/10mm | R03049026089 | √ | √ | √ | √ |
| 22 | PULLEY, 2 SPA 280/2517 | R03044039731 | √ | √ | - | - |
| | PULLEY, 2 SPA 250/2517 | R03044039730 | - | - | √ | √ |
| 23 | BELT, V SPA 2132 | R03059026133 | √ | √ | √ | √ |
| 24 | MOTOR, AEFPAL 6P-2.1HP,415V/ | R03039015420 | √ | √ | √ | √ |
| 25 | BRACKET, FAN MOTOR 32" RT250 | R01024051691 | √ | √ | √ | √ |
| 26 | FAN PROPELLER, 32" TFL800 SINGCHANG | R03019021351 | √ | √ | √ | √ |
| 28 | GUARD, FAN RT250/300 28 2 2 | R01024051023 | √ | √ | √ | √ |
| 29 | FILTER, SARANET TOP L860 x W | R03084082160 | √ | √ | √ | √ |
| 30 | FILTER, SARANET RT370AR L860 | R03084082161 | √ | √ | √ | √ |

| ITEM | DESCRIPTION | PART NUMBER | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| | | | MRT360A | M4RT360A | MRT420A | M4RT420A |
| 31 | HEATER, CRANKCASE 75W 230V 7 | R04149018446 | √ | √ | - | - |
| | HEATER, CRANKCASE 130W 230V | R04149024762 | √ | √ | √ | √ |
| 32 | COMPRESSOR, ASSY SM185S MANE | R50049017997 | √ | - | - | - |
| | COMPRESSOR, ASSY SZ185S4BA M | R50049025545 | - | √ | - | - |
| 33 | COMP,ASSY. SY240A4CBM MANEU | R50049024306 | √ | √ | √ | √ |
| 35 | ASSY, COIL INDOOR LOWER 360A(NA549) | R50024081644 | √ | √ | - | - |
| | ASSY, COIL INDOOR LOWER 420A (NA549) | R50024081647 | - | - | √ | √ |
| 36 | ASSY, COIL INDOOR UPPER 360/420A (NA549) | R50024081645 | √ | √ | √ | √ |
| 37 | ASSY, OD COIL 1 (L) 360 (NA549) | R50024082938 | - | √ | - | - |
| | ASSY, OD COIL 1 (L) | R50024085048 | √ | - | - | - |
| | ASSY, OD COIL 1 (L) 420 (NA549) | R50024082216 | - | - | - | - |
| | ASSY, OD COIL 1 (L) | R50024084988 | - | - | √ | √ |
| 38 | ASSY, OD COIL 2 (R) 38 1 1 G (NA549) | R50024082217 | - | √ | - | - |
| | ASSY, OD COIL 2 (R) | R50024084989 | √ | - | √ | √ |
| **PARTS NOT SHOWED IN DIAGRAM** | | | | | | |
| | FILTER DRIER, EK-305S ALCO | R02164034927 | √ | √ | √ | √ |
| | PLUG, CHARGE W494431H03 | R05019003444 | √ | √ | √ | √ |
| | VALVE, TXV TDEX19TR 7/8X1 1/8" DANFOSS | R05019024795 | √ | √ | √ | √ |
| | VALVE, TXV TDEX12.5 5/8X5/8 HP DANFOSS | R05019022123 | √ | √ | - | - |
| | ASSY., HIGH PRESSURE SW 470psi | R50134062905 | - | √ | - | √ |
| | ASSY., HIGH PRESSURE SW 426psi | R50134062906 | √ | - | √ | - |
| | TER. BLOCK, T3020A-1-6P-C1.0 20A | R04114013948 | √ | √ | √ | √ |
| | TER. BLOCK, T3013-5P C1.2 150 | R04114037659 | √ | √ | √ | √ |
| | CONT.,PAK-20JT31-3C 1NC AC230 | R04039015662 | √ | √ | √ | √ |
| | CONT.,PAK-35JT-F,2N02NC,AC240 | R04039015425 | √ | √ | - | - |
| | CONT.,PAK-50HT-3C 2N+2C AC230 | R04039021043 | √ | √ | √ | √ |
| | CONTROL MODULE, SQC2 1112 - 01 WE 000003R | R04089028552 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 NO S | R04089018834 | √ | √ | √ | √ |
| | RELAY, LY2F AC220/240V OMRON | R04059000668 | √ | √ | √ | √ |

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# MODEL : M(4)RT360/420AR




| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| ITEM | DESCRIPTION | PART NUMBER | MRT360AR | M4RT360AR | MRT420AR | M4RT420AR |
| 1 | ASSY, LOWER SIDE PANEL (INS) (P100796) | R50014100777 | √ | √ | √ | √ |
| 2 | ASSY, UPPER SIDE PANEL (INS) (P100902) | R50014100776 | √ | √ | √ | √ |
| 3 | HANDLING HANDLE SL/MSS | R12014015328 | √ | √ | √ | √ |
| 4 | PANEL,SERVICE UPPER | R01014100749 | √ | √ | √ | √ |
| 5 | ASSY, SERVICE PANEL (LOWER) | R50014100795 | - | - | √ | √ |
| 6 | ASSY., SIDE PILLAR L (INS) | R50014078845 | √ | √ | √ | √ |
| 7 | ASSY., SIDE PILLAR R | R50014078846 | √ | √ | √ | √ |
| 8 | ASSY., DISCHARGE DUCT FLANGE | R50014078442 | √ | √ | √ | √ |
| 9 | ASSY., FRONT PANEL L (INS) | R50014078849 | √ | √ | √ | √ |
| 10 | ASSY., FRONT PANEL R (INS) | R50014078850 | √ | √ | √ | √ |
| 11 | ASSY, FILTER COVER (INS) (P100748) | R50014100775 | √ | √ | √ | √ |
| 12 | ASSY, FRONT TOP PANEL L (INS) (P100755) | R50014100778 | √ | √ | √ | √ |
| 13 | ASSY, FRONT TOP PANEL R (INS) (P100756) | R50014100779 | √ | √ | √ | √ |
| 14 | ORIFICE, 32" | R01014050828 | √ | √ | √ | √ |
| 15 | ASSY., REAR TOP PANEL | R50014078451 | √ | √ | √ | √ |
| 16 | BLOWER, CPLT FDA 560 CMV L/H KRUGER CCW | A03029024415 | √ | √ | √ | √ |
| 17 | MOTOR, 7.5KW 50HZ L P714597X02 HITACHI | R03039004621 | √ | √ | √ | √ |
| 18 | SHEET, RUBBER t5x48x218mm | R11024018064 | √ | √ | √ | √ |
| 19 | PULLEY, BUSH 1615-38/10mm | R03049026089 | √ | √ | √ | √ |
| 20 | PULLEY, A2 VPT139 REPTECH 20 | R03049026088 | √ | √ | √ | √ |
| 21 | PULLEY, BUSH 1615-38/10mm | R03049026089 | √ | √ | √ | √ |
| 22 | PULLEY, 2 SPA 280/2517 | R03044039731 | √ | √ | - | - |
| | PULLEY, 2 SPA 250/2517 | R03044039730 | - | - | √ | √ |
| 23 | BELT, V SPA 2132 | R03059026133 | √ | √ | √ | √ |
| 24 | MOTOR, AEFPAL 6P-2.1HP,415V/ | R03039015420 | √ | √ | √ | √ |
| 25 | BRACKET, FAN MOTOR 32" RT250 | R01024051691 | √ | √ | √ | √ |
| 26 | FAN PROPELLER, 32" TFL800 SINGCHANG | R03019021351 | √ | √ | √ | √ |
| 28 | GUARD, FAN RT250/300 28 2 2 | R01024051023 | √ | √ | √ | √ |
| 29 | FILTER, SARANET TOP L860 x W | R03084082160 | √ | √ | √ | √ |
| 30 | FILTER, SARANET RT370AR L860 | R03084082161 | √ | √ | √ | √ |

| | | | RELATED MODEL | | | |
|---|---|---|---|---|---|---|
| **ITEM** | **DESCRIPTION** | **PART NUMBER** | **MRT360AR** | **M4RT360AR** | **MRT420AR** | **M4RT420AR** |
| 31 | HEATER, CRANKCASE 75W 230V 7 | R04149018446 | √ | √ | - | - |
| | HEATER, CRANKCASE 130W 230V | R04149024762 | √ | √ | √ | √ |
| 32 | COMPRESSOR, ASSY SM185S MANE | R50049017997 | √ | - | - | - |
| | COMPRESSOR, ASSY SZ185S4BA M | R50049025545 | - | √ | - | - |
| 33 | COMP, ASSY. SY240A4CBM MANEU | R50049024306 | √ | √ | √ | √ |
| 34 | ACCUMULATOR, A-AS62011 ALCO | R02119011433 | √ | √ | √ | √ |
| 35 | ASSY, COIL INDOOR LOWER 360A (NA549) | R50024080727 | √ | √ | - | - |
| | ASSY, COIL INDOOR LOWER 420A (NA549) | R50024080710 | - | - | √ | √ |
| 36 | ASSY, COIL INDOOR UPPER 360/420A (NA549) | R50024080711 | √ | √ | √ | √ |
| 37 | ASSY, OD COIL 1 (L) 360 (NA549) | R50024082938 | √ | √ | - | - |
| | ASSY, OD COIL 1 (L) 420 (NA549) | R50024082216 | - | - | √ | √ |
| 38 | ASSY, OD COIL 2 (R) 38 1 1 G (NA549) | R50024082217 | √ | √ | √ | √ |
| **PARTS NOT SHOWED IN DIAGRAM** | | | | | | |
| | FILTER DRIER, BFK 305S ALCO | R02164034985 | √ | √ | √ | √ |
| | VALVE, REV 4WAY V12-32204-2IL RANCO | R05019014945 | √ | √ | √ | √ |
| | PLUG, CHARGE W494431H03 | R05019003444 | √ | √ | √ | √ |
| | VALVE, TXV TDEBX 19TR 7/8X1 1/8" DANFOSS | R05019025832 | √ | √ | √ | √ |
| | VALVE, TXV TDEBX 12.5TR 5/8X7/8" DANFOSS | R05019026083 | √ | √ | - | - |
| | ASSY., HIGH PRESSURE SW 470psi | R50134062905 | - | √ | - | √ |
| | ASSY., HIGH PRESSURE SW 426psi | R50134062906 | √ | - | √ | - |
| | TER. BLOCK, T3020A-1-6P-C1.0 20A | R04114013948 | √ | √ | √ | √ |
| | TER. BLOCK, T3013-5P C1.2 150 | R04114037659 | √ | √ | √ | √ |
| | CONT.,PAK-20JT31-3C 1NC AC230 | R04039015662 | √ | √ | √ | √ |
| | CONT.,PAK-35JT-F,2N02NC,AC240 | R04039015425 | √ | √ | - | - |
| | CONT.,PAK-50HT-3C 2N+2C AC230 | R04039021043 | √ | √ | √ | √ |
| | CONT.,PAK-6J,1NO,AC240V,TOGA | R04039013411 | √ | √ | √ | √ |
| | CONT.MODULE,SQSI 1128-01BA700001R RT3642 | R04089030558 | √ | √ | √ | √ |
| | PHASE PROTECTOR, PP1.03 NO S | R04089018834 | √ | √ | √ | √ |
| | RELAY, LY2F AC220/240V OMRON | R04059000668 | √ | √ | √ | √ |

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This document contains the most current product information as of this printing. For the most up-to-date product information, please go to www.mcquayup.com.

# Revision History List

**Manual : Rooftop packaged Air Conditioners** | **TM : MRT-A_(i)**

| Revision | Subject | Amendment on Manual's Page No. | Date |
|---|---|---|---|
| 01 | 1. Changes on Blower Curve | 54 to 58 | 10.10.2011 |
| | 2. Changes on Blower Flange Dimension | 138 | |
| 02 | 1. Changes on Blower Flange Dimension | 139 | 28.11.2011 |
| 03 | 1. Update on Product Line Up | 2, 3 | 16.04.2012 |
| | 2. Changes on Pulley Dimensional Data | 50 | |
| | 3. Removal on Exploded View & Part List | after 178 | |
| 04 | 1. Changes on Outline Dimensional Data | 138 | 19.04.2012 |
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